

CDM Transmittal

CDM

501 Mineral Avenue
Libby, MT 59923
406-293-6194
406-293-5668

To: Victor Ketellapper
Organization/
Address: USEPA Region 8
1595 Wynkoop Street
Denver, CO 80202

From: Linda Newstrom

Date: May 8, 2009

Job #: 2616.001.201.INFOC

Via: *Mail:* **Overnight:** **Courier:** X

Enclosed please find:

For your information

X

For your review

For your signature

Approved

Approved as noted

Returned to you for correction

Message:

Per your request, enclosed is the copy of the Sullivan's 143 Crossway Avenue, Libby, MT property folder, from your desk at the Libby EPA Information Center, along with two additional Hotline Summaries.

Thank you,

Linda



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8
999 18TH STREET - SUITE 500
DENVER, CO 80202-2466
Phone 800-227-8917
<http://www.epa.gov/region08>

December 9, 2005

Ref: 8EPR-SR

Gordon and Kathy Sullivan
143 Crossway Ave
Libby, MT 59923

RE: EPA Cleanup at 143 Crossway Ave, Libby, MT 59923

The U.S. Environmental Protection Agency (EPA) has completed a cleanup under emergency response authority at the property referenced above. The cleanup was conducted pursuant to the Action Memorandum Amendment dated February 21, 2005 for the Libby Asbestos Site. A signed copy of the Removal and Restoration Completion Form for this property is enclosed for reference and details the specific actions that were taken. There is no financial liability to the property owner or renter of this property, either current or future.

Visual inspections were conducted and confirmation samples were collected after the cleanup to ensure that cleanup standards were achieved. Sampling typically includes interior air samples of the buildings and/or samples of outdoor soils in areas of concern. Analysis of samples for this property showed that Libby amphibole asbestos was not detected, or was detected at levels below EPA's current level of concern. The property meets EPA's current standards for protectiveness of human health for Libby amphibole asbestos contamination set forth in EPA's Action Level and Clearance Criteria Technical Memorandum (December 15, 2003) for the Libby Asbestos Site.

This property was selected for participation in the Post Clean-up Evaluation (CE) Sampling Program. The CE Sampling Program was designed to assist in determining the longer-term efficacy and permanence of the cleanup. The data collected during the CE Sampling Program was to be used to:

1. Determine the magnitude of the reduction in exposure level due to the cleanup;
2. Determine the residual exposure levels of residents in homes after cleanups have been completed;
3. Determine if residual sources such as dust inside air ducts and furnaces or in carpets and upholstery cause re-contamination of indoor dust in a home, and if so, is that of concern.

Ambient air, personal air, and dust samples were collected during the CE Sampling. One ambient air sample had a detect of one structure with a Libby Amphibole (LA) asbestos concentration of 0.0001 S/cc. All other samples were non-detect for LA. This data is encouraging, specifically because the property was undergoing major remodeling at the time of sampling. The data collected from your property, as well as from the other thirty properties

involved in the CE Sampling show that the EPA clean-up procedures are very protective in the short- and long-term life of the property.

In most circumstances vermiculite or Libby asbestos-containing soil or materials were removed. EPA may have chosen to leave these materials in place if they were located in inaccessible areas and not likely to be disturbed. These areas typically include spaces within walls, below carpets, outdoor soils below hard, improved surfaces such as driveways or foundations, or outdoor soils deeper than twelve to eighteen inches. In most cases, EPA did not inspect or sample in such areas. If you plan to disturb, or accidentally encounter, vermiculite or Libby asbestos containing materials, you should read and follow EPA guidance. This guidance can be obtained at the EPA Information Center at 501 Mineral Ave. in Libby. A database documenting areas where contamination was left in place will be maintained by EPA.

Very low, often immeasurable, levels of Libby asbestos may remain in soil, indoor dust, fabrics, upholstery, and carpets. Current EPA risk assessments suggest that these circumstances do not pose a significant health risk. However, residents can further protect themselves by taking simple precautions found in EPA guidance, including the use of HEPA-filter equipped vacuum cleaners. EPA will provide each property owner a HEPA vacuum upon completion of cleanup.

EPA's investigations and cleanup addressed amphibole asbestos that is related to the former Libby vermiculite mine and did not address other types of asbestos. There are several potential asbestos-containing materials commonly found in older homes across the country. This letter makes no statement or inferences regarding these materials.

The property owner has notified EPA of outstanding removal and restoration concerns remaining at the property. During meetings with EPA team members on August 26, 2005 (Courtney Zamora) and November 29, 2005 (Mike Cirian) the following items were identified as needing further evaluation:

1. Vermiculite present between the logs of your home;
2. Vermiculite present in the basement and crawlspace;
3. Electrical wires severed during removal activities;
4. Vermiculite present in soil below the deck;
5. Vermiculite present behind windows;
6. Screen door damaged during removal activities;
7. Vermiculite between chimney and interior walls; and
8. Replanted grass not growing adequately.

- phone lines
- cable
- septic
boards in Attic

EPA's scheduled property visit for August 31, 2005 was cancelled; therefore the above items were never addressed. During the November 29, 2005 conversation with Mike Cirian, Mike reiterated EPA's willingness to revisit the property and evaluate the issues listed above at a time that is convenient for the property owner.

At this time, EPA considers cleanup of this property complete and does not anticipate that additional cleanup measures will be required. However, EPA and others continue to



investigate the health effects of Libby asbestos. Cleanup levels and approaches may be adjusted in the future as new information and data becomes available. EPA has not yet set final cleanup levels for the Libby Asbestos Site. This will occur when EPA publishes a final Record of Decision. If this results in a need for additional sampling or cleanup at this property, the property owner will be contacted. Again, the likelihood of this occurring is low.

EPA appreciates your assistance with our work. Please keep this letter with your important papers for future reference. A copy should be passed to the new property owner if the property is sold. If you have any questions, please contact the EPA Information Center at (406) 293-6194 or the Lincoln County Department of Environmental Health at (406) 293-7781.

Sincerely,

A handwritten signature in black ink, appearing to read "JCE", is positioned above the typed name.

Jim Christiansen
Remedial Project Manager



Printed on Recycled Paper

Hotline Request 3166

Call Type Call In Date: 1/9/2009 Time: 9:46:00 AM No: 3166

Citizen Information

Name(s) SULLIVAN, GORDON & CATHY Home Phone (406)293-8496
Citizen Address 143 CROSSWAY AVE Work Phone (406)293-8475
City: LIBBY State: MT Zip 59923 Cell Phone: (406)291-0421

Mailing Address Information

Mailing Address PO BOX 718
City: LIBBY State: MT Zip 59923

Property Information

Property Address: 143 CROSSWAY AVE Phone: (406)293-
City: LIBBY State: MT Zip 59923

Actions

Category: ERS SubCategories: Completed

Notes

Gordon called in and talked to Mike Cirian. His front porch collapsed and knowing that there was material left behind, adjacent to the porch, he requested someone come out to look the area that was inaccessible for cleanup, in order to rebuild the porch next spring. Mike contacted Kevin Fortner. Kevin contacted Gordon and will visit the property on Monday the 12th.

From: Fortner, Kevin

Sent: Tuesday, January 13, 2009 11:14 AM

To: Rodriguez-Newstrom, Linda

Cc: 'Courtney.Zamora@dot.gov'; 'Cirian.Mike@epamail.epa.gov'; Lammers, Paul; Cook, Thomas; Raines, Nicholas; Crowell, Terry; Repine, Karen

Subject: ERS Sullivan - 143 Crossway Avenue

Volpe/Libby Asbestos Project Hotline Entry

Address: 143 Crossway Avenue Date: 01/12/2009

Owner: Sullivan, Gordon & Cathy PPE: Level D Elastic: Contractor Response

Weather: 38 F, Partly Cloudy Personnel Onsite: K. Fortner (CDM), M. Cirian (EPA)

Contractor: CDM Activities: ERS Response

Hotline Entry,

1458 Arrived onsite. Met with property owner G. Sullivan. A cleanup was completed at the property in July 2003. Recently the porch collapsed due to the snow load. VCI was sealed in place behind the ledger boards attached to the house during the cleanup in 2003. Low amounts of VCI is currently leaking out of the ledger boards. VCI was observed in and around the window and door trim and planter boxes located at the front of the house. The property owner has plans to replace ledger boards and build a new porch in the spring time (March at the earliest). Photos and measurements taken. See attached photos.

K. Fortner offsite at 1546

Hotline Request 3166

ERS shall complete draft ERS QR SOW.

Please add to hotline and mark status to active.

Thanks,

Kevin R. Fortner
Fortner, Kevin
Sent: Tuesday, February 10, 2009 10:30 AM
To: Rodriguez-Newstrom, Linda
Cc: 'Courtney.Zamora@dot.gov'; Cirian.Mike@epamail.epa.gov; Lammers, Paul; Cook, Thomas; Raines, Nicholas; Repine, Damon; Repine, Karen; Fox, Kimberly; Crowell, Terry
Subject: ERS QR 143 Crossway Avenue
Importance: High

From:

Hotline Entry,

~ 1015 Received phone call from Cathy Sullivan. Cathy asked what we were going to do with vermiculite that is leaking out of the front of the house. Mrs. Sullivan stated that it is getting tracked into the house, blowing around the yard, and is on the firewood she is bringing into the house. Mrs. Sullivan also stated that she thinks that Mr. Sullivan removed the door trim from around the front door to install a screen door. Told Mrs. Sullivan that I will see what we can do to keep things clean until a quick response can be completed to address the ledger boards.

Please add to hotline.

Thanks,

Kevin R. Fortner
Fortner, Kevin
Sent: Friday, April 10, 2009 2:21 PM
To: Rodriguez-Newstrom, Linda
Cc: 'Cirian.Mike@epamail.epa.gov'; 'Courtney Zamora'; Lammers, Paul; Cook, Thomas; Raines, Nicholas; Crowell, Terry; Repine, Karen; Repine, Damon; Fox, Kimberly; Tonner, Jessica; Pisciotto, Dominic
Subject: ERS Sullivan - 143 Crossway Avenue

From:

Volpe/Libby Asbestos Project Hotline Entry
Address: 143 Crossway Avenue Date: 04/10/2009
Owner: Sullivan, Cathy & Gordon PPE: Level D Elastic:
Weather: ~ 44 F, partly cloudy Personnel Onsite: K. Fortner
Contractor: CDM Activities: ERS Inspection

Hotline Entry,

1119 Arrived onsite. Met with Cathy and Gordon Sullivan. Mr. Sullivan confirmed that the two concrete planters located on the north side of the house can be removed with no replacement including the flashing in planters. Restoration in the area of the planters will be structural fill up to grade. Mr. Sullivan confirmed that the trim around the windows may be removed with no replacement.

Mr. Sullivan showed me the exterior of the house around back where the laundry room is located. VCI

Thursday, April 30, 2009

Page 2 of 5

Hotline Request 3166

was observed in between the cracks of the logs, leaking from the window, and a small cut out in the logs. Mr. Sullivan stated that he would like the VCI removed as part of the quick response. The trim around the window can be removed with no replacement required.

Mr. Sullivan stated that he also has future plans to remove the back deck including the joists and knows that he will come into contact with VCI around the ledger boards and joists. Mr. Sullivan stated that he did not want EPA to do the work for him regarding the back deck.

1207 Departed site.

Please add to hotline and status will remain active.

Thanks,

Kevin R. Fortner

Fortner, Kevin

Sent: Monday, April 20, 2009 3:39 PM

To: Rodriguez-Newstrom, Linda

Cc: 'Cirian.Mike@epamail.epa.gov'; 'Courtney.Zamora@dot.gov'; Lammers, Paul; Cook, Thomas; Raines, Nicholas; Crowell, Terry; Repine, Karen; Repine, Damon; Fox, Kimberly; Tonner, Jessica; Pisciotta, Dominic; Rode, Diane; McNally, Steve

Subject: RE: ERS Sullivan - 143 Crossway Avenue

From:

Volpe/Libby Asbestos Project Hotline Entry

Address: 143 Crossway Avenue Date: 04/20/2009

Owner: Sullivan, Cathy & Gordon PPE: Level D Elastic:

Weather: ~ 53 F, sunny Personnel Onsite: K. Fortner, S. McNally

Contractor: CDM Activities: ERS Inspection

Hotline Entry,

~ 1130 Arrived onsite and met with Gordon and Cathy Sullivan to discuss and sign ERS QR SOW. Mr. Sullivan explained past issues, concerns, and problems from the initial cleanup performed at the property. While discussing current SOW, current remodeling plans, and future remodeling plans Mr. Sullivan was not sure exactly what he wanted to do. Mr. Sullivan stated several times for us to do what we need to. Mr. Sullivan stated that he has plans to remove and replace the roof. Mr. Sullivan stated that he will replace the dormer roof this year himself and would like EPAs assistance in the spring of 2010 to replace the entire house roof due to the VCI blocked in place around perimeter of house. Mr. Sullivan would like to proceed with the current ERS work that addresses the ledger boards, planters, and south side of house. However, Mr. Sullivan does not want the trim boards removed on the two windows on the south of the house.

~ 1254 Departed Site.

ERS will revise SOW and obtain property owner signature at a later time.

Please add to hotline and mark status to active.

Thanks,

Thursday, April 30, 2009

Page 3 of 5

Hotline Request 3166

Kevin R. Fortner

April 23, 2009-

Called Gordon to let him know the Contractor Photos on four CD's for 2003-2009 are available.(LN)

From: Fortner, Kevin

Sent: Thursday, April 30, 2009 8:26 AM

To: Rodriguez-Newstrom, Linda

Cc: 'Courtney.Zamora@dot.gov'; Lammers, Paul; Cook, Thomas; Raines, Nicholas; Crowell, Terry;

Repine, Damon; Repine, Karen; Fox, Kimberly; Tonner, Jessica; Pisciotta, Dominic; Rode, Diane;

McNally, Steve; Cirian.Mike@epamail.epa.gov

Subject: RE: ERS Sullivan - 143 Crossway Avenue

Hotline Entry,

1611 Spoke with Cathy Sullivan by phone. Mrs. Sullivan stated that she did not want to proceed with the current ERS SOW or any other ERS work until a interim rod is in place. Mrs. Sullivan then stated that she would like to talk to Mr. Sullivan before making a final decision. Asked Mrs. Sullivan to tell Mr. Sullivan to give me a phone call.

ERS will follow up today with Mr. Sullivan.

Please add to hotline and status will remain active.

Thanks,

Kevin R. Fortner

From:

Fortner, Kevin

Sent: Thursday, April 30, 2009 10:55 AM

To: Rodriguez-Newstrom, Linda

Cc: 'Courtney.Zamora@dot.gov'; Lammers, Paul; Cook, Thomas; Raines, Nicholas; Crowell, Terry;

Repine, Damon; Repine, Karen; Fox, Kimberly; Tonner, Jessica; Pisciotta, Dominic; Rode, Diane;

McNally, Steve; Cirian.Mike@epamail.epa.gov

Subject: RE: ERS Sullivan - 143 Crossway Avenue

Hotline Entry,

Spoke with Mrs. Sullivan by phone at 1051. Mrs. Sullivan confirmed that they would like to wait for the interim rod before completing any ERS work.

Please mark hotline status to completed.

Thanks,

Kevin R. Fortner

C D M

Hotline Request 3166

Information Sent: Yes		Forward To	Follow Up Type	Status	Due Date	Sent Date
Comfort Letter	<input type="checkbox"/>					
Completion Letter	<input type="checkbox"/>					
CSS	<input type="checkbox"/>					
IFF	<input type="checkbox"/>					
Info Package	<input type="checkbox"/>					
Soil Sample Data	<input type="checkbox"/>					
Other	<input checked="" type="checkbox"/>	KF	Property visit	Completed	1/12/2009	4/30/2009

Hotline Request 3370

Call Type Call In Date: 4/24/2009 Time: 10:48:00 AM No: 3370

Citizen Information

Name(s) SULLIVAN, GORDON & CATHY Home Phone (406)293-8496
 Citizen Address 143 CROSSWAY AVE Work Phone (406)293-8475
 City: LIBBY State: MT Zip 59923 Cell Phone: (406)291-0421

Mailing Address Information

Mailing Address PO BOX 718
 City: LIBBY State: MT Zip 59923

Property Information

Property Address: 143 CROSSWAY AVE Phone: (406)293-
 City: LIBBY State: MT Zip 59923

Actions

Category: Information SubCategories: Request

Notes

Gordon had requested Contractors Photos 2008-date for this property. I called and no one answered the 293-8475 number. 4/27/09-Left a message with Cathie.

Information Sent: Yes

	Forward To	Follow Up Type	Status	Due Date	Sent Date
Comfort Letter	<input type="checkbox"/>				
Completion Letter	<input type="checkbox"/>				
CSS	<input type="checkbox"/>				
IFF	<input type="checkbox"/>				
Info Package	<input checked="" type="checkbox"/>	LN Cathie pu	Completed	4/30/2009	4/28/2009
Soil Sample Data	<input type="checkbox"/>				
Other	<input type="checkbox"/>				

Table of Contents

Section 1- Correspondence and Community Involvement

- Correspondence from EPA to and from The Sullivans
- Hotline Requests
- Consent to Access Property Form(s) –Phase 1, CSS
- Record of Communication between EPA/Volpe/CDM
- Landscape Inventory
- Removal and Restoration Agreement
- Relocation Information for 2003 Removal
- Receipt of check from ER for monitor

Section 2- Background Information and Results for all Samples

- Phase 1 - Background Information Field Form (BIFF)
- CSS - Supplemental Information Field Form (SIFF)
- Phase 1 Soil logbook
- Phase 1 Dust logbook
- CSS – Soil logbook
- Results for all samples

Section 3 – Pre-Design Inspection and Removal Planning

- Supplemental Interior Inspection Checklist (SIIC)
- Exterior Inspection Checklist (EIC) (if applicable)
- Field Logbook notes

Section 4 – Removal Information

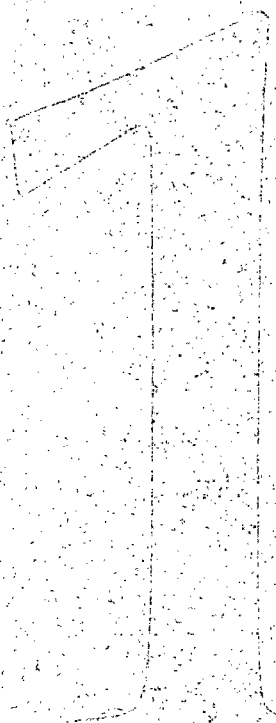
- Work Plan – Comprehensive Residential Removal Action Plan (2003)
- Quick Response Statement of Work (2006)
- ERS Initial Assessment Checklist (2009)
- Logbook 2003 Removal Oversight
- Logbook 2003 Removal Air Sampling

Section 5 – Property Completion and Post Cleanup

- Property Completion Checklist (PCC) and corresponding map
- EPA Final cleanup letter / Residential Removal and Restoration Completion Form (2005)
- HEPA Vacuum receipt form
- Pre-sampling Interview Form for Post clean-up Evaluation Sampling
- Post clean-up Evaluation Sampling logbook
- Residential Activity Log

Section 6 – Photo Documentation

- CDM Photos (all photos Phase 1, CSS, Removal, Quick Response, ERS, etc)
- Removal Contractor photos



Section One



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8

999 18TH STREET - SUITE 300

DENVER, CO 80202-2466

Phone 800-227-8917

<http://www.epa.gov/region08>

EPA Information Center
Office Copy

February 7, 2003

Ref: 8EPR-SR

Mr. Gordon Sullivan
PO Box 718
Libby, MT 59923

Dear Gordon:

Thank you for your letter. I'll address your two basic concerns separately.

Dust Samples

Per your request, I asked CDM (our investigation contractor) to pull your dust samples from our archives and analyze them as soon as possible. I've enclosed the results along with this letter. Six dust samples were collected from the interior and were analyzed using Transmission Electron Microscopy - the most accurate method available. No Libby asbestos was detected in any of the samples (shown under the "actinolite" heading on the results sheet). This does not necessarily mean there is absolutely no Libby asbestos in the dust, but does mean that the levels are at least very low. That is good news and should provide you some comfort regarding your family's health. The results also showed a low level of chrysotile asbestos in one sample, which probably indicates the presence of some other asbestos containing material in your home.

In general, we are using dust samples (along with visual inspections) to determine if cleaning of the actual living space is required (as opposed to the attic, which will be cleaned of vermiculite insulation regardless). In your case, even though the dust results were "non-detect," we will perform interior cleaning because we noted visible vermiculite during our inspections.

Cleanup

As we discussed in Libby during our first meeting, the EPA team is currently in the process of sorting out which homes and businesses we will clean and when. We are doing our best to weigh the many factors involved (such as risk, extent of contamination, location, businesses concerns, relocation concerns, prior commitments, ongoing or planned property renovations, property owner requests, etc.) and make decisions fairly and efficiently. One additional criteria I am considering is when a property was sampled. All things being equal, I would like to try to clean up properties that were sampled a few years ago before we clean up



Printed on Recycled Paper

properties that were sampled last year. Your property fits that criteria and is targeted for cleanup during the 2003 construction season (spring through fall) when we will be addressing properties that require both indoor cleanup and outdoor cleanup.

We try to be flexible as to the exact timing of our cleanup, but cannot always meet property owner requests. In general, we have committed to providing at least two weeks notice before starting cleanup and try to provide even more advance notice as to the general timing. With businesses in particular, we recognize the timing and duration of our cleanup can greatly affect your financial well being, and will attempt to work with business owners to target times that have the least effect. Given you and Cathie operate your businesses out of your home, with equipment that is an inherent part of your home, your circumstances require some special consideration.

While I cannot give you an exact start date for cleanup of your property now, I assure you we will work closely with you on the timing. If you have specific preferences, whether in a particular season or month, or on specific dates (such as vacation time) we will target your property for cleanup then. In our first meeting, we discussed "spring" as a potential time for cleanup, but to my recollection did not nail anything down. If you have preferred times or dates, please let me know as soon as possible and we will work off that. Because your property will require outdoor cleanup, we must target it during the outdoor construction season.

In the near future, as with all properties targeted for cleanup this spring or summer, representatives of CDM will be contacting you to begin working on the specifics of your property. Given your business situation, I've asked CDM to contact you as soon as possible. We will want to conduct a "pre-design" inspection of your property to obtain the information we need to prepare a property specific cleanup plan for you and to give to our cleanup contractors. We will begin working closely with you on details of schedule, relocation, cleanup implementation, and other issues shortly after. I hope once we begin working on the specifics of your property that you will find the design and construction team professional, courteous, fair, and accommodating.

As always, I will be in Libby periodically and am available to discuss any issues of concern. I know we've had a few rocky conversations, but I assure you I respect the position you are in and the frustration the situation in Libby brings. Feel free to contact the EPA Information Center at 293-6194 to set up an appointment if you would like. Otherwise, look for a contact from CDM regarding design and planning for your property within the next few weeks.

Sincerely,

Jim Christiansen
Remedial Project Manager

Gordon & Cathie Sullivan

143 Crossway Ave.
P.O. Box 718
Libby, MT 59923
Home Phone (406) 293-8496

July 16, 2003

No More air testing. Please furnish hepa vac to clean up areas to be remodelled so we can clean them as we find them. We need to remove office window today. (Fireplace, outlets, other window in dining room.)

Items not finished according to contract

1. Sheetrock on ceiling in bathroom, kitchen, hall and back entryway/utility room.
 - (a) reimburse for materials and work done (or)
 - (b) hire experienced contractor to finish sheet rocking on ceiling
- ✓ 2. Lava rock not replaced along west side of house in flowerbed.
- ✓ 3. Wood chips not replaced in front flowerbed.
4. Light fixtures not replaced - ask NO
- ✓ 5. trellis around deck/porch - ER

Items to be fixed:

- ✓ 1. Telephone line to be repaired in house and studio.
reimburse for call forwarding (I took care to it while waiting 6 days for Karen)
- ✓ 2. Drain pipe in basement not connected in kitchen. Can't use kitchen sink.
- ✓ 3. Check on septic system and all buried lines running from house for damage. ?

ER called - No idea on Lava Rock #2
11:05 6/11 for Kathy to specify.
7/18 - visit only action fabric@wood chips area



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8

999 18TH STREET - SUITE 900

DENVER, CO 80202-2486

<http://www.epa.gov/region08>

EPA Information Center
Office Copy

August 12, 2003

**Mr. Gordon Sullivan
Libby Technical Assistance Group
PO Box
Libby, MT 59923**

Dear Gordon:

At a recent Technical Assistance Group (TAG) meeting, you requested copies of documents that established health and safety and decontamination procedures for the ongoing Libby investigation and cleanup. Under cover of this letter, I have included copies of the Health and Safety Plans (HASPs) for both cleanup contractors currently working at the site (Environmental Restoration and Salute), as well as the site-wide HASP developed by CDM. In general, each contractor is responsible for preparing their own HASP and ensuring the health and safety of their workers, and as a matter of policy, EPA does not assume an "approval" role for such documents.

In addition to these documents, there are other critical documents that I cannot yet provide. As I've mentioned before, CDM and EPA are currently in the process of developing several documents that will guide the residential/commercial cleanup process for the next few years. The development and review process for these documents has taken longer than I anticipated as the entire Libby team focuses on day to day operations. One of the documents, the Response Action Work Plan (RAWP), details decontamination procedures and sampling activities for residential/commercial cleanups. As soon as this document is developed, I will provide it to the TAG for review. The RAWP replaces previous documents which were developed by our Emergency Response Team that I did not feel were sufficiently detailed for long-term operations.

Additionally, CDM is currently preparing a summary of two types of sampling data from Libby. This report will present and summarize (1) results of all "ambient" air data collected in Libby over the past several years, and (2) results of all "perimeter" air data collected during Libby cleanups over the past several years. This data shows that ambient air in the Libby area is virtually free of Libby asbestos, and that engineering controls employed by EPA over the past several years are effective at eliminating or minimizing releases of Libby asbestos from work sites. While one can argue any particular action,



Printed on Recycled Paper

sample, or sample analysis, consistent non-detects over a long period of time demonstrate a trend of successful containment and an appropriate level of engineering control.

In the meantime, I asked CDM to prepare a brief synopsis of equipment decontamination procedures currently being employed at work sites. These procedures are consistent with what is being written down in the RAWP. This memorandum is also included in this package, and gives a few examples of different procedures used in different situations. Using different approaches from property to property, or even over time at a particular property, may give the appearance of inconsistency but is crucial to efficiently conducting response actions with the varying conditions we encounter. In addition, you are welcome to discuss our procedures with Scott Supernaugh, our on-site construction manager, and Shawn Oliveira, our primary on-site health and safety coordinator. Finally, Occupational Safety and Health Administration (OSHA) has conducted several site visits and inspections of our on-site operations and have not issued any negative findings. You are welcome to contact OSHA (Scott can provide a contact name and number) to discuss their impressions of our health and safety program.

If you have any questions, please feel free to call me at (303) 312-6748. I look forward to working with you and the TAG to continue to improve our response actions in Libby.

Sincerely,

Jim Christiansen
Remedial Project Manager



August 30, 2005

Gordon Sullivan
143 Crossway Avenue
Libby, Montana 59923

Subject: Outstanding issues phone call – 08/26/05

Dear Mr. Sullivan,

The purpose of this letter is to summarize our phone conversation that took place on August 26, 2005. During the conversation, we discussed several outstanding issues for your property, located at 143 Crossway Avenue in Libby, Montana. It is my understanding that you believe these issues are a result of the Government not following through on the removal work plan developed for your property. Removal activities were conducted in 2003.

You stated the following concerns during our conversation:

1. VCI is still present and falling out from between the logs of his home. You would like the government to inspect the area, remove the VCI, and apply chinking between the logs.
2. VCI is still present in the basement and crawlspace. You would like the government to inspect the area and remove the vermiculite.
3. Electrical wires severed. You stated that the removal contractor severed the electrical wires going into the laundry room, kitchen, and other rooms. You have repaired all wiring but the laundry room wiring. You would like the government to inspect the damage and repair the electrical line.
4. Soil not removed under the deck. You would like the government to remove the deck and remove the soil from beneath it.
5. VCI is present behind the windows. You would like the government to remove the remaining windows in need of replacement and clean the VCI from the area to allow you to continue replacing windows.
6. Screen doors damaged. You stated that the removal contractor damaged the screen doors by prying them off the frame instead of unscrewing them, thereby damaging the door and the frame. You would like the government to replace the screen doors and fix the damaged frame.

7. VCI between chimney and interior walls. You stated that when you removed the chimney, there was VCI in the interior walls. You applied foam to prevent further spilling, but you would like the government to evaluate the remedy.
8. Grass is not growing. The grass is not growing in the areas addressed during the removal activities. You would like the government to inspect the area and recommend a solution.

This letter will be presented to you during a follow up visit on August 31 when Scott Supernaugh, Tommy Cook, Tom Vanderweel, Mike Cirian and I visit your property. A follow up letter will be written summarizing conversations during the site visit and will be submitted to you. Please let me know if you have any questions.

Sincerely,

Courtney Zamora
Site Manager – Volpe Center

cc: Peggy Churchill, Mike Cirian – EPA RPM
Scott Supernaugh – CDM CM
File



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8
999 18TH STREET - SUITE 300
DENVER, CO 80202-2466
Phone 800-227-8917
<http://www.epa.gov/region08>

March 7, 2006

Mr. Gordon Sullivan
143 Crossway Ave
Libby, MT 59923

Dear Mr. Sullivan:

In response to your request for information, we are providing you with a copy of documentation related to remedial investigation and removal activities conducted at 143 Crossway Avenue, Libby, Montana, as well as general correspondence between you and the government, or its representatives or contractors. The contents of this delivery constitute the complete record on file at the CDM Project Office as of today. The documents are divided into sections separated by colored sheets, and are attached to this letter as follows:

Access Agreements

1. Consent for Entry and Access to Property for Soil Sampling, signed 09/07/01
2. Consent for Entry and Access to Property for Contaminant Screening Study (CSS), signed 10/23/02

Investigation Documentation

1. Phase 1 Background Information Field Form #00204, dated 02/15/02
2. Phase 1 Field Sample Data Sheet (FSDS) for Soil-like Materials #S-822, dated 09/07/01, and associated logbook notes
3. Phase 1 FSDSs for Dust #D-000788, D-000789, and D-000794, dated 02/15/02, and associated logbook notes
4. CSS Primary Structure and Property Assessment Supplemental Information Field Form #BD-002969, dated 10/23/02, and associated logbook notes
5. CSS FSDSs for Soil #CSS(S)-004584, dated 04/28/03, and associated logbook notes
6. Sample Results for Soil
7. Sample Results for Dust

Pre-Design Inspection Documentation

1. Exterior Inspection Checklist Form #000005, dated 04/28/03
2. Supplemental Interior Checklist Form #000080, dated 03/04/03, and associated logbook notes
3. Yard Restoration Inventory, dated 06/03/03

Relocation and Reimbursement Information

1. Authorization for Superfund Temporary Relocation Assistance, signed 06/05/03 and 06/13/03
2. Waiver for Non-Government Provided Housing, signed 06/09/03
3. Reimbursement Claim For Superfund Temporary Relocation Assistance, signed 07/03/03 (form signed by resident but not submitted to the government; CDM notes on the form indicate that the lights were not working in the house as of 07/03/03)
4. Invoice for the rent of 111 Crossway Avenue, Libby, MT, 59923, dated 07/15/03
5. Invoice for the rent of 111 Crossway Avenue, Libby, MT, 59923, dated 07/25/03
6. Invoice for cleaning services, dated 06/13/03 (invoice was submitted to the government but rejected as non-reimbursable)
7. Reimbursement Claim For Superfund Temporary Relocation Assistance, signed 08/07/03 (resident) and 08/11/03 (Approving Official)
8. Request and Authorization for Direct Deposit of Payments, signed 08/07/03

Removal and Restoration Documentation

1. Removal and Restoration Agreement for Residential Removals, signed 6/9/03 and 6/11/03
2. Addendum to the Comprehensive Residential Removal Action Plan, 143 Crossway Avenue
3. Removal FSDSs for Soil #R-S-000054, dated 06/13/03; #R-S-000055, dated 06/16/03; #R-S-000099, dated 07/08/03
4. Removal FSDSs for Stationary Air #R-SA-000961-000962, dated 06/11/03; #R-SA-000983-000984, dated 06/12/03; #R-SA-000987-000989, dated 06/13/03; #R-SA-000990-000991, dated 06/16/03; #R-SA-001004 and #R-SA-001027, dated 06/17/03; #R-SA-000993-001001, dated 06/26/03; #R-SA-001142-001147, dated 06/29/03; #R-SA-001148-001150, dated 07/01/03; #R-SA-000121-000122, dated 12/08/03
5. Logbook notes for June and July, 2003 removal and restoration activities
6. Sample Results for Soil
7. Sample Results Air
8. Form for Receipt of Money Order for the acquisition of a 17-inch Dell computer monitor, signed 09/14/03
9. Property Closeout Checklist with attached Excavation Plan, dated 07/21/03
10. Removal And Restoration Completion Form for Response Action, unsigned as of 03/07/06

Post Clean-up Evaluation Documentation

1. Pre-Sampling Interview Form for Post Clean-up Evaluation Sampling #BD-002969, dated 12/08/03
2. Residential Activity Log #BD-002969, dated 12/08/03-12/10/03
3. FSDSs for Personal Air #PA-000023, dated 12/08/03; #PA-000026, dated 12/09/03; #PA-000027, dated 12/10/03; #SA-000128 and SA-000141, dated 12/10/03
4. FSDS for Dust D-000069, dated 12/10/03
5. Logbook notes for post clean-up evaluation
6. Sample results for Personal and Stationary Air

Correspondence

1. Letter from U.S. Environmental Protection Agency (EPA), dated 02/07/03 (Information Copy), in response to letter from Mr. Gordon Sullivan
2. CDM Record of Communication, dated 02/26/03
3. Letter of Transmittal for Removal and Restoration Agreement, signed 06/12/03

4. Information Update for Neighbors of Properties Undergoing Asbestos Cleanups for 143 Crossway Avenue
5. Notification from Gordon and Cathie Sullivan, dated 07/16/03, indicating items to be addressed at 143 Crossway Avenue with hand written CDM field office notes
6. Letter from EPA addressing Mr. Sullivan's request for documents, dated 08/12/03 (Information Copy)

Photographic Documentation

1. CD - Exterior Set-up and Interior Set-Up
2. CD - Removal Photos
3. CD - Property Completion Photos

If you would like to discuss any of these items, please feel free to contact me at 406-293-6194.

Sincerely,



Mike Cirian, P.E.
U.S.EPA Region 8
Libby Onsite RPM/Environmental Engineer

cc: Libby Project File - Denver
Libby Project File - Libby



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8

1595 Wynkoop Street
DENVER, CO 80202-2466
Phone 800-227-8917
<http://www.epa.gov/region08>

March 8, 2007

Ref: 8EPR-SR

Gordon and Cathie Sullivan
143 Crossway Ave
Libby, MT 59923

RE: 2007 Investigative Activities

Dear Gordon and Cathie –

On February 8, 2007, I met with you to discuss your concerns with the 2003 EPA response action performed at your property, located at 143 Crossway Avenue in Libby, Montana.

During the course of our conversation, you outlined several specific issues, ranging from the initial investigation to the clearance sampling procedures and future Operations and Maintenance (O&M) issues. Your property was cleaned in the early phases of EPA's residential cleanup program and was one of the more difficult properties at which EPA performed a response action. Given the age of the house, the type of construction (log cabin with additions), the high water table, and the extensive remodeling plans already in progress, EPA contractors did their best to address the contamination present throughout the property. That said, EPA acknowledges that the asbestos contamination was not removed as thoroughly as is desired.

After the cleanup, your property was selected to participate in the Post Clean-up Evaluation (CE) Sampling Program. EPA collected ambient air, personal air, and dust samples during the CE Sampling Program. All samples were non-detect with the exception of one stationary indoor ambient air sample, having detected Libby Amphibole (LA) asbestos at a concentration of 0.0001 S/cc. After the CE sampling program, additional contamination was found in the subsurface of your yard.


Because of all this, and as we discussed on February 8th, we have agreed it would be prudent to do another investigation on your property. I have instructed EPA contractors to schedule your property for a Pre-Design Inspection (PDI). The parameters of the PDI are not that different from the investigative approach our contractors used to characterize your property in early 2003; however, it will provide us with a comprehensive analysis of your property using the most current analytical methods available to us.

As we discussed, because of the water table conditions at your property, along with Cathie's businesses schedule, the PDI will have to be done in two parts. We suggest EPA contractors contact you in early Spring 2007 to schedule the PDI for your property. The Interior

PDI (except for the basement) will be completed in the Spring, and the Exterior PDI and basement will be completed in July or August when the water table in your neighborhood is at its lowest. This will allow us to characterize your basement during "worst case scenario" conditions. When the results from the PDI analyses have returned (Fall 2007), we will meet again to discuss the results and determine if additional cleanup activities are needed. Any additional cleanup activities that may be required would not take place until 2008 at the earliest.

I appreciate you communicating your concerns to me. If you have any questions, please contact me at (303) 312-6808 or contact Mike Cirian at the EPA Information Center at (406) 293-6194.

Sincerely,



Paul Peronard
EPA Team Leader



Printed on Recycled Paper



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

March 29, 2007

Gordon Sullivan
143 Crossway Ave
Libby, Montana 59923

Subject: SOP Request for use of Encapsuiant

Dear Gordon,

On March 28, 2007 you called and asked for information regarding the Standard Operating Procedure (SOP) for the use of Encapsuiant. Enclosed are copies of the information regarding the use of Encapsulation during our property removal and restoration activities. I have also included a couple of examples of work plans that are used during discussions with and reviewed by the property owners prior to our removal activities. The property owners sign these before our work begins.

During our telephone conversation you asked about the spraying of encapsuiant prior to clearance sampling, and I did misspeak when I said that we do the clearance and then apply the encapsuiant. I apologize for my error. The practice is that the Contractor informs us prior to the application of encapsuiant and our over-site personnel perform an inspection of the area and approve that it is ready for the encapsuiant. After the encapsuiant has had some time to cure an aggressive sampling is then performed.

I hope you find this is the information helpful. If you have any further questions feel free to contact me at the EPA Information Center at (406) 293-6194.

Sincerely,

A handwritten signature in black ink, appearing to read "Mike Cirian".

Mike Cirian, P.E.
Remedial Project Manager
US EPA Libby

cc: Courtney Zamora, USDOT/Volpe
Thomas E. Cook, CDM
Project File, Libby and Denver

REMOVAL ACTION WORK PLAN (RAWP)

Section 6
Vermiculite-Containing Insulation Removal

6.4.3 Encapsulation

Encapsulant will be applied to all surfaces and dispersed with a 1-hp leaf blower within the NPE. The purpose of the encapsulant is to "lock down" any remaining asbestos fibers and prevent them from becoming airborne should they be disturbed at a later date. The cleanup/construction contractor will ensure that sufficient encapsulant is used to adequately lock down any remaining asbestos fibers.

These efforts will also be inspected by CDM oversight personnel to ensure they have been performed adequately.

6.5 Air Sampling During Vermiculite-Containing Insulation Removal

6.5.1 Personal BZ Samples

Personal BZ air samples will be collected on personnel conducting VCI removal to document that the level of respiratory protection is adequate for the task being conducted. All personal BZ samples will be collected in accordance with the procedures outlined in the SAP (Appendix A) and OSHA 29 CFR 1926.1101 Appendix B (provided in the SAP). Sampling frequencies for personal BZ air monitoring are established using task-based personal BZ sampling data collected during the 2002 and 2003 field seasons in Libby. Tasks associated with VCI removal include demolition, bulk removal and detailing activities. These samples will be analyzed using NIOSH 7400 unless results warrant confirmation by TEM. That is, if asbestos is reported above the respective TWA or excursion level for the appropriate sample, then the sample will be confirmed by TEM as specified in the SAP (Appendix E). Below is a summary of the geometric mean and STEL results for samples collected during VCI removal activities during the 2002 and 2003 field seasons in Libby. Table 6-1 illustrates the sample type and analysis for each air sample collected during VCI removal activities.

Geometric Mean TWA and STEL Sample Results
2002-2003 VCI Removal Activities, Libby, Montana

Task	PPE	TWA sample count	TWA* (f/cc)	STEL sample count	Excursion** (f/cc)
2003 Bulk Removal	Level C	46	0.075	36	0.108
2002 Bulk Removal	Level C	8	0.169	8	0.507
2003 Wet-Wipe/HEPA Vacuuming	Level C	41	0.026	34	0.044
2002 Wet-Wipe/HEPA Vacuuming	Level C	41	0.010	37	0.032

TWA=time-weighted average

STEL=short-term exposure limit

PPE=personal protective equipment

OSHA Permissible Exposure Limits:

*time-weighted average..... 0.1 fiber/cc

**excursion level (30 minutes)..... 1.0 fiber/cc

6.6 Vermiculite-Containing Insulation Left in Place

As stated previously, VCI that is well contained will be left in place. If the VCI is left in place, the following procedures will be followed.

CONSTRUCTION SPECS:

- F. Planking used on scaffolds shall extend over their end supports not less than 6 inches or more than 12 inches, or secured from movement.
- G. The Cleanup/Construction Contractor shall be solely responsible for the erection and use of all scaffolding used during the project.

2.04 POLYETHYLENE SHEETING

- A. Polyethylene sheeting used to build containment areas or decontamination chambers shall be a minimum thickness of 6-mils. All polyethylene sheeting shall be used in widths selected to minimize the frequency of joints. Opaque polyethylene sheeting shall be used for worker decontamination units, mini-enclosures, or other structures requiring privacy.
- B. Methods of attaching polyethylene sheeting will be agreed upon in advance by the Cleanup/Construction Contractor and the CO/COTR. Methods of attachment may include any combination of duct tape or other waterproof tape, furring strips, spray adhesive, staples, nails, screws, or other effective procedures capable of sealing adjacent sheets of polyethylene sheeting to dissimilar finished or unfinished surfaces under both wet and dry conditions.

2.05 ASBESTOS WASTE DISPOSAL BAGS

- A. Asbestos waste disposal bags shall be constructed of 6-mil transparent polyethylene. Transparent bags are specified so that post-bagging visual inspection can determine if the bagged waste is properly wetted and that the waste has been double-bagged properly. Disposal bags shall be preprinted with labels as required by EPA, OSHA, and DOT regulations.

2.06 ASBESTOS WASTE DISPOSAL DRUMS

- A. Asbestos waste disposal drums shall be of metal or fiberboard with locking ring tops and labeled in accordance with the requirements of the OSHA Hazard Communications Standard 29 CFR 1926.59(f). Warning signs that meet the requirements of 29 CFR 1926.58 (k)(1) shall also be posted on the drums.

2.07 SURFACTANT OR WETTING AGENT

- A. Asbestos Surfactant or wetting agent shall be a 50/50 mixture of polyoxyethylene ether and polyoxyethylene ester, or equivalent, mixed in a proportion of 1 fluid ounce to 5 gallons of water, or as specified by the manufacturer.

2.08 AIRLESS SPRAYERS

- A. Airless sprayers with pumps capable of providing 500 pounds per square inch (psi) at the nozzle tip at a flow rate of 2 gallons per minute for spraying amended water shall be provided and used. ANSI approved vacuum cleaners equipped with high efficiency particulate air (HEPA) filters shall be provided and used.

2.09 HEPA FILTRATION SYSTEMS

- A. HEPA filtration systems brought to the project site shall be uncontaminated and equipped with new filters. All filtration equipment shall be in compliance with ANSI Standard Z9.2-79, local exhaust ventilation. The Cleanup/Construction Contractor's competent person shall inspect both the interior and exterior of each filtration unit to determine the unit's integrity.

CONSTRUCTION SPECS:

2.10 WARNING SIGNS

- A. To protect the public, the removal action contractor shall comply with 29 CFR 1926.58(k)(1) by posting safety warning signs at the perimeter of the regulated area (minimum size of 12" x 18" with black letters on a red and white background) that follow the sample format shown here.

DANGER
ASBESTOS
CANCER AND LUNG DISEASE
HAZARD
AUTHORIZED PERSONNEL ONLY
RESPIRATORS AND PROTECTIVE
CLOTHING ARE REQUIRED IN THIS
AREA

2.11 OTHER EQUIPMENT

- A. The Cleanup/Construction Contractor shall provide all other equipment required to complete this removal action. This equipment may include, but is not limited to heavy equipment, hand tools, wood, fasteners, etc.

2.12 ENCAPSULANTS, SEALANTS AND CAULKING

- A. Lock-down encapsuiant used for sealing cleaned, caulked and foamed surfaces shall be formulated from acrylic polymers to provide a durable barrier over building surfaces to prevent residual asbestos fibers from becoming airborne. Lock-down encapsuiant shall be CONTROL Lock-Down Encapsuiant as manufactured by Grayling Industries, Inc. of Alpharetta, GA or approved equal.
- B. Multi purpose encapsuiant used for cleaned surfaces and air misting shall be formulated from (vinylidene fluoride) polymers blended with flame retardants to provide a durable barrier over building surfaces to prevent residual asbestos fibers from becoming airborne. Multi purpose encapsuiant shall be CONTROL Multi-Use Encapsuiant as manufactured by Grayling Industries, Inc. of Alpharetta, GA or approved equal.
- C. Insulation specifications are provided in Section 07216.
- D. Insulating foam sealant for sealing gaps, cracks, and around windows and doors, electrical outlets, switches and fixtures shall be polyurethane foam based, Class 1 foam, UL listed as fire retardant. Insulating foam sealant shall be Great Stuff as manufactured by Dow Chemical Company or approved equal.
- E. Caulking shall be one part, gun grade, silicone base sealant formulated specifically for interior or exterior use as required. Silicone caulking shall be as manufactured by General Electric, Dow Corning or approved equal.

Summary of ERS Responses for 143 Crossway Avenue Libby Asbestos Project

Date: April 9, 2009

Purpose

This timeline documents EPA Environmental Resource Specialist (ERS) responses to issues raised by the property owners, the Sullivans, related to the property located at 143 Crossway Avenue in Libby, MT.

January 9, 2009

- The EPA Information Center received a phone call from Gordon Sullivan regarding a collapsed porch at the property (see attached hotline entry dated January 9, 2009).
- Per Mike Cirian's (EPA) request, Kevin Fortner (CDM) spoke with Mr. Sullivan and an initial ERS inspection was scheduled for January 12, 2009.

January 12, 2009

- At 2:58 pm, Mike Cirian and Kevin Fortner arrived onsite and met with Mr. Sullivan (see attached hotline entry dated January 13, 2009).
- The porch ledger boards were inspected and a small amount of vermiculite containing insulation (VCI) was observed leaking. Mr. Sullivan requested that the front door trim be removed to access any VCI during quick response activities.
- It was determined at this meeting that ERS quick response activities could occur no earlier than March 2009.
- An ERS Initial Assessment Checklist was completed and several photos were taken (see attached ERS checklist and photos).
- At 3:56 pm, Mike Cirian and Kevin Fortner departed from the property.

February 10, 2009

- At 10:15 am, Kevin Fortner received phone call from Cathy Sullivan regarding VCI leaking out of the house (see attached hotline entry dated February 10, 2009). Mrs. Sullivan stated that Mr. Sullivan may have removed the trim from around the front door.
- Upon discussion with Mike Cirian, a decision was made to have a removal contractor perform a quick response removal until further quick response activities could be completed at a later date.

February 20, 2009

- At 8:00 am, CDM and Environmental Restoration (ER) personnel arrived onsite at the property for the quick response removal.
- During the quick response leaking VCI was removed from the ledger boards and surrounding area in front of the house. Areas that were identified as leaking were sealed with caulking (see attached photos).
- At 11:08 am, work was completed and ER and CDM personnel departed the property.

**Summary of ERS Responses for
143 Crossway Avenue
Libby Asbestos Project**

April 7, 2009

- At 8:30 am, Mike Cirian and Kevin Fortner met with Mr. and Mrs. Sullivan at the EPA information center to discuss remaining quick response activities regarding the porch collapse.

Hotline Summary Listings
Where CITIZEN NAME Is SULLIVAN, GORDON CATHY and CATEGORY Is ERS

No 3166 Call Type: Call In Date: 1/9/2009 Time: 9:46:00 AM

Name(s) SULLIVAN, GORDON & CATHY Home Phone: (406)293-8496
Citizen Address: 143 CROSSWAY AVE Work Phone: (406)293-8475
LIBBY MT 59923 Cell Phone: (406)291-0421

Mailing Address: PO BOX 718
LIBBY MT 59923

Property Address: 143 CROSSWAY AVE Phone: (406)293-
LIBBY MT 59923

Actions: Category: ERS

Notes:

Gordon called in and talked to Mike Cirian. His front porch collapsed and knowing that there was material left behind, adjacent to the porch, he requested someone come out to look the area that was inaccessible for cleanup, in order to rebuild the porch next spring. Mike contacted Kevin Fortner. Kevin contacted Gordon and will visit the property on Monday the 12th. From: Fortner, Kevin

Sent: Tuesday, January 13, 2009 11:14 AM

To: Rodriguez-Newstrom, Linda

Cc: 'Courtney.Zamora@dot.gov'; 'Cirian.Mike@epamail.epa.gov'; Lammers, Paul; Cook, Thomas; Raines, Nicholas; Crowell, Terry; Repine, Karen

Subject: ERS Sullivan - 143 Crossway Avenue

Volpe/Libby Asbestos Project Hotline Entry

Address: 143 Crossway Avenue Date: 01/12/2009

Owner: Sullivan, Gordon & Cathy PPE: Level D Elastic: Contractor Response

Weather: 38 F, Partly Cloudy Personnel Onsite: K. Fortner (CDM), M. Cirian (EPA)

Contractor: CDM Activities: ERS Response

Hotline Entry,

1458 Arrived onsite. Met with property owner G. Sullivan. A cleanup was completed at the property in July 2003. Recently the porch collapsed due to the snow load. VCI was sealed in place behind the ledger boards attached to the house during the cleanup in 2003. Low amounts of VCI is currently leaking out of the ledger boards. VCI was observed in and around the window and door trim and planter boxes located at the front of the house. The property owner has plans to replace ledger boards and build a new porch in the spring time (March at the earliest). Photos and measurements taken. See attached photos.

K. Fortner offsite at 1546

ERS shall complete draft ERS QR SOW.

Please add to hotline and mark status to active.

Thanks,

Kevin R. Fortner

From: Fortner, Kevin

Sent: Tuesday, February 10, 2009 10:30 AM

To: Rodriguez-Newstrom, Linda

Cc: 'Courtney.Zamora@dot.gov'; Cirian.Mike@epamail.epa.gov; Lammers, Paul; Cook, Thomas; Raines, Nicholas;

Repine, Damon; Repine, Karen; Fox, Kimberly; Crowell, Terry

Subject: ERS QR 143 Crossway Avenue

Importance: High

Wednesday, April 08, 2009

Page 1 of 2

Hotline Summary Listings
Where CITIZEN NAME Is SULLIVAN, GORDON CATHY and CATEGORY Is ERS

Hotline Entry,

~ 1015 Received phone call from Cathy Sullivan. Cathy asked what we were going to do with vermiculite that is leaking out of the front of the house. Mrs. Sullivan stated that it is getting tracked into the house, blowing around the yard, and is on the firewood she is bringing into the house. Mrs. Sullivan also stated that she thinks that Mr. Sullivan removed the door trim from around the front door to install a screen door. Told Mrs. Sullivan that I will see what we can do to keep things clean until a quick response can be completed to address the ledger boards.

Please add to hotline.

Thanks,

Kevin R. Fortner

Libby ERS Initial Assessment Checklist

BD: 002969

Property Address: 143 CROSSWAY

Date: 01/12/09

ERS Contact Made By: G. SULLIVAN

ERS Contact Received By: EPA INFORMATION CENTER (M. CIRIAN EPA)

Property Owner: G. SULLIVAN

Contact Number (indicate home or cell): H- 293-8496, C-291-0421

Tenant/Resident: NA

Contact Number (indicate home or cell): NA

ERS Personnel Onsite: K. FORTNER, M. CIRIAN

Property Type:

Residential Property ☒

Commercial Property ☐

City Property ☐

Comty Property ☐

Other ☐

Current Property Status:

Cleanup Completed ☒ 07/2003 PDI Completed ☐ No CSS Completed ☐

CSS Completed ☐ Pending Property ☐

Identification

Exterior ☐

Interior ☒

Exterior

Location:

Yard ☒ NA
SUA ☐
Driveway or Alley ☐
Below Ground Surface ☐
Other ☐

Interior

Libby ERS Initial Assessment Checklist

BD: 002969

Location:

Main Structure ☒
Detached Garage ____
Other ____

Secondary Structure ____
Outbuilding ____

Detailed Location:

Attic ____
Walls ☒
Floor ____
Soil Floor ____
Basement ____
Crawlspace ____
Other ____

Explain: PORCH COLLAPSED DUE TO SNOW LOAD. VCI EXPOSED
ON LEDGER BOARDS. AS LEAKED DOWN AROUND WINDOW,
DOOR TRIM, AND IN PLANTERS AT FRONT OF RESIDENCE.

Type of Contamination:

VCI ☒
Plaster ____
Other insulation ____
No Vermiculite Observed ____

VCS ____
Visible Amphibole Present ____
Other Building Material ____

Explain: VCI LEAKING ON EXTERIOR.

Actions Required

Information Request ____ Immediate Need ____
Homeowner Pending ____ Addressed While Onsite ____
Return Necessary ____ Design Necessary ____
Contractor Required ☒ Assist Local Contractor ____

Libby ERS Initial Assessment Checklist

BD: 002969

No Action Required Future Planning

Level of Effort:

Large Medium X Small

Potential Timing of Removal Work:

Planned Start Date: MARCH AT THE EARLIEST

Anticipated Completion Date:

Notifications

CDM N Hotline entry X Volpe X EPA X

Preliminary Assessment: REMOVE LEDGER BOARDS, CLEAN VCI,
REMOVE VCI FROM SURFACE OF SOIL IN PLANTER BOXES.

Potential Emergency Situation (provide details)

Potential Hazards (e.g. slips, trips, falls, utilities, etc.)

Property Owner Requests/Comments:

WILL REPLACE LEDGER BOARDS PER M. CIRIAN (EPA). G. SULLIVAN
STATED THAT HE WILL REPLACE TRIM AROUND DOOR IF WE WILL
REMOVE TO ACCESS VCI. G. SULLIVAN HAS NO PLANS TO
REMODEL WINDOWS. G. SULLIVAN STATED THAT A PAINTABLE
CAULK OR FILLER WOULD WORK FOR SEALING BETWEEN LOGS
AS HE HAS PLANS TO PAINT THE EXTERIOR OF
THE HOUSE.

Libby ERS Initial Assessment Checklist

BD: 002969

03/16/09
UPDATE: QR RESPONSE TO SEAL UP INITIAL LEAKING UNTIL
SPRING SO QR CAN BE COMPLETED IN SPRING 09.
(FULL)

28' 2x8" LEDGER BOARD

5' cut FOL containment

DOORWAY — 14 LINEAL FEET
(TRIM)

WINDOWS — 56 LINEAL FEET FOR BOTH
(TRIM) 38

2x10 SOIL (TWO OTHERS)

SEAL LOGS WITH PAINTABLE CAULKING

1546 DEPARTED SITE

Hotline Request 665

Call Type Call In Date: 3/3/2006 Time: 5:19:00 PM No: 665

Citizen Information

Name(s) SULLIVAN, GORDON & CATHY Home Phone (406)293-8496
 Citizen Address 143 CROSSWAY AVE Work Phone (406)293-8475
 City: LIBBY State: MT Zip 59923 Cell Phone: (406)291-0421

Mailing Address Information

Mailing Address PO BOX 718
 City: LIBBY State: MT Zip 59923

Property Information

Property Address: 143 CROSSWAY AVE Phone: (406)293-
 City: LIBBY State: MT Zip 59923

Actions

Category: Information

Notes

Gave cell number.

Information Sent: Yes

	Forward To	Follow Up Type	Status	Due Date	Sent Date
Comfort Letter <input type="checkbox"/>					
Completion Letter <input type="checkbox"/>					
CSS <input type="checkbox"/>					
IFF <input type="checkbox"/>					
Info Package <input type="checkbox"/>					
Soil Sample Data <input type="checkbox"/>					
Other <input checked="" type="checkbox"/> LN			Completed	3/3/2006	3/3/2006

Hotline Request 1612

Call Type Call In Date: 1/29/2007 Time: 9:40:00 AM No: 1612

Citizen Information

Name(s) SULLIVAN, GORDON & CATHY Home Phone (406)293-8496
Citizen Address 143 CROSSWAY AVE Work Phone (406)293-8475
City: LIBBY State: MT Zip 59923 Cell Phone: (406)291-0421

Mailing Address Information

Mailing Address PO BOX 718
City: LIBBY State: MT Zip 59923

Property Information

Property Address: 143 CROSSWAY AVE Phone: (406)293-
City: LIBBY State: MT Zip 59923

Actions

Category: Information SubCategories: Call Back

Notes

Requested Log entry sheets to be sent out and Mike Cirian provided to him.

Information Sent: Yes

	Forward To	Follow Up Type	Status	Due Date	Sent Date
Comfort Letter	<input type="checkbox"/>				
Completion Letter	<input type="checkbox"/>				
CSS	<input type="checkbox"/>				
IFF	<input type="checkbox"/>				
Info Package	<input type="checkbox"/>				
Soil Sample Data	<input type="checkbox"/>				
Other	<input checked="" type="checkbox"/>	<u>MC</u>	<u>Completed</u>	<u>1/31/2007</u>	<u>1/29/2007</u>

Schauss, Paula

From: Rodriguez-Newstrom, Linda
Sent: Wednesday, April 22, 2009 11:41 AM
To: Schauss, Paula
Subject: Sullivan ERS Hotline Summary
Attachments: Sullivan-ERS-Active.pdf; Sullivan 3.pdf; Sullivan 4.pdf; Sullivan 5.pdf; Sullivan Complaint 1.pdf; Sullivan Complaint 2.pdf; Sullivan Info 1.pdf; Sullivan Info 2.pdf

Here is the Active ERS Hotline Summary with 2 complaints and 5 Information requests.

I have 11 additional requests in the Hotline from Gordon that I will forward after lunch.

Thanks,

Linda

Linda Rodriguez-Newstrom, CDM
EPA Information Center
501 Mineral Avenue
Libby, MT 59923
Office: 406/293-6194
Fax: 406/293-5668

Hotline Request 1701

Call Type Call In Date: 3/13/2007 Time: 9:29:00 AM No: 1701

Citizen Information

Name(s)	<u>SULLIVAN, GORDON & CATHY</u>	Home Phone	<u>(406)293-8496</u>
Citizen Address	<u>143 CROSSWAY AVE</u>	Work Phone	<u>(406)293-8475</u>
City:	<u>LIBBY</u>	State:	<u>MT</u>
Zip	<u>59923</u>	Cell Phone:	<u>(406)291-0421</u>

Mailing Address Information

Mailing Address	<u>PO BOX 718</u>
City:	<u>LIBBY</u>
State:	<u>MT</u>
Zip	<u>59923</u>

Property Information

Property Address:	<u>143 CROSSWAY AVE</u>	Phone:	<u>(406)293-</u>
City:	<u>LIBBY</u>	State:	<u>MT</u>
Zip	<u>59923</u>		

Actions

Category: Information

Notes

-----Original Message-----

From: Cirian.Mike@epamail.epa.gov [mailto:Cirian.Mike@epamail.epa.gov]
Sent: Tuesday, March 13, 2007 9:06 AM
To: Peronard.Paul@epamail.epa.gov
Cc: Courtney.Zamora@volpe.dot.gov; Lammers, Paul; Linnert.Ted@epamail.epa.gov; Rodriguez-Newstrom, Linda
Subject: Gordon Sullivan - wants to be put to the back of the list?

Hello Paul,

I just got a call from Gordon Sullivan. He informed me that they (Cathie and Gordon) wanted to wait on the cleanup of his property. He asked if he puts off his property for clean up now does that move him to the back of the list. My answer was not necessarily. I told him we would take him off the list for cleanups this year and would let him know if we get over in his area at a later time. After a while he stated he wanted to go to the back of the list and we should clean up someone else's property instead. I asked him if he wanted us to do the PDI still and he stated that if we are in the area that would be fine but let him know when we are in the area.

Gordon said that he received the letter you wrote and he would be responding to that letter.

Mike

-----Original

Message-----

From: Cirian.Mike@epamail.epa.gov [mailto:Cirian.Mike@epamail.epa.gov]
Sent: Tuesday, March 13, 2007 12:06 PM
To: Peronard.Paul@epamail.epa.gov
Cc: Zamora, Courtney; Lammers, Paul; Rodriguez-NewstromL@cdm.com; Linnert.Ted@epamail.epa.gov
Subject: Re: Gordon Sullivan - wants to be put to the back of the list?

Hi Again,

Wednesday, April 22, 2009

Page 1 of 3

Hotline Request 1701

I guess trying to convey what Gordon was telling me is almost as confusing as his message to me. I will try to simplify the message.

Gordon wants off the Cleanup list and moved to the end of the Cleanup list.

If we are in his area we can contact Gordon and see at that time if he wants us to perform the PDI at that time.

Gordon and Cathie will respond to Paul Peronard's letter that was sent to them.

Hope this helps clarify,

Mike

From: Zamora, Courtney [mailto:Courtney.Zamora@volpe.dot.gov]

Sent: Tuesday, March 13, 2007 10:23 AM

To: Cirian.Mike@epamail.epa.gov; Peronard.Paul@epamail.epa.gov

Cc: Lammers, Paul; Rodriguez-Newstrom, Linda; Linnert.Ted@epamail.epa.gov

Subject: RE: Gordon Sullivan - wants to be put to the back of the list?

I guess we need some guidance on this. We were only going to do the PDI because Gordon requested it. The PDI team being "in his area" is fairly irrelevant... should we still try to do the PDI?

From:

Peronard.Paul@epamail.epa.gov [mailto:Peronard.Paul@epamail.epa.gov]

Sent: Tuesday, March 13, 2007 1:50 PM

To: Cirian.Mike@epamail.epa.gov

Cc: Zamora, Courtney; Lammers, Paul; Rodriguez-Newstrom, Linda; Linnert.Ted@epa.gov

Subject: RE: Gordon Sullivan - wants to be put to the back of the list?

Hey All,

I think in the modern, electronic vernacular of the current hip generation the appropriate acronym would be "WTFO?"

Mike, if you and Courtney could give me a holler maybe we could formulate a plan and maybe you could help me understand what Gordon wants here. As far as I know the only thing we had agreed to do (EPA and Sullivans that is) is to have a PDI done this year, and that in two parts because of the water table issue. As I understand Gordon and Cathie never committed to having another clean up done, we were just going to take the small step of putting a design together. I still think that is the best course. After the three of us talk let me try to give Gordon a call and see if we can move forward with the PDI. Since we really didn't think we'd do a clean up at their place this year I don't see much harm in "moving them down the list" for clean up.

paul

Hotline Request 1701

Information Sent: Yes					
	Forward To	Follow Up Type	Status	Due Date	Sent Date
Comfort Letter	<input type="checkbox"/>				
Completion Letter	<input type="checkbox"/>				
CSS	<input type="checkbox"/>				
IFF	<input type="checkbox"/>				
Info Package	<input type="checkbox"/>				
Soil Sample Data	<input type="checkbox"/>				
Other	<input checked="" type="checkbox"/>	MC	Follow up with resident	Completed	3/13/2007

Hotline Request 1781

Call Type Call In Date: 3/28/2007 Time: 11:06:00 AM No: 1781

Citizen Information

Name(s) <u>SULLIVAN, GORDON & CATHY</u>	Home Phone <u>(406)293-8496</u>
Citizen Address <u>143 CROSSWAY AVE</u>	Work Phone <u>(406)293-8475</u>
City: <u>LIBBY</u> State: <u>MT</u> Zip <u>59923</u>	Cell Phone: <u>(406)291-0421</u>

Mailing Address Information

Mailing Address <u>PO BOX 718</u>
City: <u>LIBBY</u> State: <u>MT</u> Zip <u>59923</u>

Property Information

Property Address: <u>143 CROSSWAY AVE</u>	Phone: <u>(406)293-</u>
City: <u>LIBBY</u> State: <u>MT</u> Zip <u>59923</u>	

Actions

Category: Information

Notes

From: Cirian.Mike@epamail.epa.gov [mailto:Cirian.Mike@epamail.epa.gov]
Sent: Wednesday, March 28, 2007 10:03 AM
To: Peronard.Paul@epamail.epa.gov; Atencio.Kathie@epamail.epa.gov
Cc: Lammers, Paul; Zamora, Courtney; Rodriguez-Newstrom, Linda
Subject: Sullivan/Maynard
Importance: High

Hello Paul,

I wanted to let you know that Gordon Sullivan called this morning wanting a copy of the SOP for encapsulant. Wanted me to tell him how we determine when and where it is used etc. He wanted to know how engineers from CDM in Denver can determine how and when encapsulant will be used. Then he informed me how little faith he has in us and was making many accusations that we have many residents that have no faith in us. He stated that we have no control over Volpe and CDM and until we do, no one will accept our methods of clean up. I tried to defend our position and Volpe and the contractors but there was nothing that could be said that would have changed his attitude this morning, at least nothing I tried. He also informed me that he is looking for this information for Baucus' office because of the hearing that is coming up. He also went on about his property. I reminded him of your letter about how we wanted to revisit his property and he asked when we were coming. I asked when do you want us and he said that Cathie told CDM and I reminded him that they told us they would get back with us and then later Gordon told me he didn't want us there at that point he got mad and said good-bye!

I just wanted to give you all a heads up,
Mike

Mike:

In response to your e-mail, Tommy Cook and I did a little groundwork.

Wednesday, April 22, 2009

Page 1 of 2

Hotline Request 1781

Attached please find a scanned copy the relevant section from the Removal Action Work Plan (RAWP) regarding encapsulation.

Also enclosed are the relevant sections from the Project Construction Specifications regarding encapsuants, sealants, caulking, and surfactants and wetting agents.

NOTE: The attached sections are from the edition of the RAWP and Specs that have been in use on the project for the past few seasons. ☐

We thought the attached information might prove helpful in responding to Gordon and for preparing for the upcoming public hearing. Please let us know if you need anything further.

Paul Lammers

Information Sent: No					
	Forward To	Follow Up Type	Status	Due Date	Sent Date
Comfort Letter <input type="checkbox"/>					
Completion Letter <input type="checkbox"/>					
CSS <input type="checkbox"/>					
IFF <input type="checkbox"/>					
Info Package <input type="checkbox"/>					
Soil Sample Data <input type="checkbox"/>					
Other <input type="checkbox"/>					

	Forward To	Follow Up Type	Status	Due Date	Sent Date
Comfort Letter <input type="checkbox"/>					
Completion Letter <input type="checkbox"/>					
CSS <input type="checkbox"/>					
IFF <input type="checkbox"/>					
Info Package <input type="checkbox"/>					
Soil Sample Data <input type="checkbox"/>					
Other <input type="checkbox"/>					

REMOVAL ACTION WORK PLAN (RAWP)

Section 6
Vermiculite-Containing Insulation Removal

6.4.3 Encapsulation

Encapsulant will be applied to all surfaces and dispersed with a 1-hp leaf blower within the NPE. The purpose of the encapsulant is to "lock down" any remaining asbestos fibers and prevent them from becoming airborne should they be disturbed at a later date. The cleanup/construction contractor will ensure that sufficient encapsulant is used to adequately lock down any remaining asbestos fibers.

These efforts will also be inspected by CDM oversight personnel to ensure they have been performed adequately.

6.5 Air Sampling During Vermiculite-Containing Insulation Removal

6.5.1 Personal BZ Samples

Personal BZ air samples will be collected on personnel conducting VCI removal to document that the level of respiratory protection is adequate for the task being conducted. All personal BZ samples will be collected in accordance with the procedures outlined in the SAP (Appendix A) and OSHA 29 CFR 1926.1101 Appendix B (provided in the SAP). Sampling frequencies for personal BZ air monitoring are established using task-based personal BZ sampling data collected during the 2002 and 2003 field seasons in Libby. Tasks associated with VCI removal include demolition, bulk removal and detailing activities. These samples will be analyzed using NIOSH 7400 unless results warrant confirmation by TEM. That is, if asbestos is reported above the respective TWA or excursion level for the appropriate sample, then the sample will be confirmed by TEM as specified in the SAP (Appendix E). Below is a summary of the geometric mean and STEL results for samples collected during VCI removal activities during the 2002 and 2003 field seasons in Libby. Table 6-1 illustrates the sample type and analysis for each air sample collected during VCI removal activities.

Geometric Mean TWA and STEL Sample Results
2002-2003 VCI Removal Activities, Libby, Montana

Task	PPE	TWA sample count	TWA* (f/cc)	STEL sample count	Excursion** (f/cc)
2003 Bulk Removal	Level C	46	0.075	36	0.108
2002 Bulk Removal	Level C	8	0.169	8	0.507
2003 Wet-Wipe/HEPA Vacuuming	Level C	41	0.026	34	0.044
2002 Wet-Wipe/HEPA Vacuuming	Level C	41	0.010	37	0.032

TWA=time-weighted average

STEL=short-term exposure limit

PPE=personal protective equipment

OSHA Permissible Exposure Limits:

*time-weighted average..... 0.1 fiber/cc

**excursion level (30 minutes)..... 1.0 fiber/cc

6.6 Vermiculite-Containing Insulation Left in Place

As stated previously, VCI that is well contained will be left in place. If the VCI is left in place, the following procedures will be followed.

CONSTRUCTION SPECS:

- F. Planking used on scaffolds shall extend over their end supports not less than 6 inches or more than 12 inches, or secured from movement.
- G. The Cleanup/Construction Contractor shall be solely responsible for the erection and use of all scaffolding used during the project.

2.04 POLYETHYLENE SHEETING

- A. Polyethylene sheeting used to build containment areas or decontamination chambers shall be a minimum thickness of 6-mils. All polyethylene sheeting shall be used in widths selected to minimize the frequency of joints. Opaque polyethylene sheeting shall be used for worker decontamination units, mini-enclosures, or other structures requiring privacy.
- B. Methods of attaching polyethylene sheeting will be agreed upon in advance by the Cleanup/Construction Contractor and the CO/COTR. Methods of attachment may include any combination of duct tape or other waterproof tape, furring strips, spray adhesive, staples, nails, screws, or other effective procedures capable of sealing adjacent sheets of polyethylene sheeting to dissimilar finished or unfinished surfaces under both wet and dry conditions.

2.05 ASBESTOS WASTE DISPOSAL BAGS

- A. Asbestos waste disposal bags shall be constructed of 6-mil transparent polyethylene. Transparent bags are specified so that post-bagging visual inspection can determine if the bagged waste is properly wetted and that the waste has been double-bagged properly. Disposal bags shall be preprinted with labels as required by EPA, OSHA, and DOT regulations.

2.06 ASBESTOS WASTE DISPOSAL DRUMS

- A. Asbestos waste disposal drums shall be of metal or fiberboard with locking ring tops and labeled in accordance with the requirements of the OSHA Hazard Communications Standard 29 CFR 1926.59(f). Warning signs that meet the requirements of 29 CFR 1926.58 (k)(1) shall also be posted on the drums.

2.07 SURFACTANT OR WETTING AGENT

- A. Asbestos Surfactant or wetting agent shall be a 50/50 mixture of polyoxyethylene ether and polyoxyethylene ester, or equivalent, mixed in a proportion of 1 fluid ounce to 5 gallons of water, or as specified by the manufacturer.

2.08 AIRLESS SPRAYERS

- A. Airless sprayers with pumps capable of providing 500 pounds per square inch (psi) at the nozzle tip at a flow rate of 2 gallons per minute for spraying amended water shall be provided and used. ANSI approved vacuum cleaners equipped with high efficiency particulate air (HEPA) filters shall be provided and used.

2.09 HEPA FILTRATION SYSTEMS

- A. HEPA filtration systems brought to the project site shall be uncontaminated and equipped with new filters. All filtration equipment shall be in compliance with ANSI Standard Z9.2-79, local exhaust ventilation. The Cleanup/Construction Contractor's competent person shall inspect both the interior and exterior of each filtration unit to determine the unit's integrity.

CONSTRUCTION SPECS:

2.10 WARNING SIGNS

- A. To protect the public, the removal action contractor shall comply with 29 CFR 1926.58(k)(1) by posting safety warning signs at the perimeter of the regulated area (minimum size of 12" x 18" with black letters on a red and white background) that follow the sample format shown here.

DANGER
ASBESTOS
CANCER AND LUNG DISEASE
HAZARD
AUTHORIZED PERSONNEL ONLY
RESPIRATORS AND PROTECTIVE
CLOTHING ARE REQUIRED IN THIS
AREA

2.11 OTHER EQUIPMENT

- A. The Cleanup/Construction Contractor shall provide all other equipment required to complete this removal action. This equipment may include, but is not limited to heavy equipment, hand tools, wood, fasteners, etc.

2.12 ENCAPSULANTS, SEALANTS AND CAULKING

- A. Lock-down encapsulant used for sealing cleaned, caulked and foamed surfaces shall be formulated from acrylic polymers to provide a durable barrier over building surfaces to prevent residual asbestos fibers from becoming airborne. Lock-down encapsulant shall be CONTROL Lock-Down Encapsulant as manufactured by Grayling Industries, Inc. of Alpharetta, GA or approved equal.
- B. Multi purpose encapsulant used for cleaned surfaces and air misting shall be formulated from (vinylidene fluoride) polymers blended with flame retardants to provide a durable barrier over building surfaces to prevent residual asbestos fibers from becoming airborne. Multi purpose encapsulant shall be CONTROL Multi-Use Encapsulant as manufactured by Grayling Industries, Inc. of Alpharetta, GA or approved equal.
- C. Insulation specifications are provided in Section 07216.
- D. Insulating foam sealant for sealing gaps, cracks, and around windows and doors, electrical outlets, switches and fixtures shall be polyurethane foam based, Class 1 foam, UL listed as fire retardant. Insulating foam sealant shall be Great Stuff as manufactured by Dow Chemical Company or approved equal.
- E. Caulking shall be one part, gun grade, silicone base sealant formulated specifically for interior or exterior use as required. Silicone caulking shall be as manufactured by General Electric, Dow Corning or approved equal.

Hotline Request 2649

Call Type Email Date: 4/29/2008 Time: 11:13:00 AM No: 2649

Citizen Information

Name(s) SULLIVAN, GORDON & CATHY Home Phone (406)293-8496
Citizen Address 143 CROSSWAY AVE Work Phone (406)293-8475
City: LIBBY State: MT Zip 59923 Cell Phone: (406)291-0421

Mailing Address Information

Mailing Address PO BOX 718
City: LIBBY State: MT Zip 59923

Property Information

Property Address: 143 CROSSWAY AVE Phone: (406)293-
City: LIBBY State: MT Zip 59923

Actions

Category: Complaint SubCategories: Completed

Notes

-----Original Message-----

From: Cirian.Mike@epamail.epa.gov [mailto:Cirian.Mike@epamail.epa.gov]
Sent: Monday, April 28, 2008 5:18 PM
To: Rodriguez-Newstrom, Linda
Cc: Zamora, Courtney
Subject: Call from Cathie Sullivan

Hi Linda,

Cathie Sullivan called and said that the contractor working over on "Crest" street was using their driveway to backup and run over some edging rocks. When she went out to straighten up the rocks she noticed that they (the contractors) run over a big rock and crmshed the culvert. I talked with Courtney and she will send someone over to check the situation out.

From: Zamora, Courtney [mailto:Courtney.Zamora@volpe.dot.gov]
Sent: Tuesday, April 29, 2008 11:49 AM
To: Rodriguez-Newstrom, Linda; De Leo, Shellie; Tonner, Jessica; Anderson, Elzhon
Cc: Bein, Nicole; Cook, Thomas; Ekstrom, Karen; Fortner, Kevin; Fox, Kimberly; Kari, Patricia; Lammers, Paul; McNally, Steve; Raines, Nicholas; Repine, Damon; Repine, Karen; Schauss, Paula
Subject: RE: 143 Crossway Ave - SullivanFor your phone records, MikeER went there today and replaced the rocks that were tipped over.

Wednesday, April 22, 2009

Page 1 of 2

Hotline Request 2649

Issue is complete.

Information Sent: Yes					
	Forward To	Follow Up Type	Status	Due Date	Sent Date
Comfort Letter	<input type="checkbox"/>				
Completion Letter	<input type="checkbox"/>				
CSS	<input type="checkbox"/>				
IFF	<input type="checkbox"/>				
Info Package	<input type="checkbox"/>				
Soil Sample Data	<input type="checkbox"/>				
Other	<input checked="" type="checkbox"/> JT		Completed	4/30/2008	4/29/2008

Hotline Request 3166

Call Type Call In Date: 1/9/2009 Time: 9:46:00 AM No: 3166

Citizen Information

Name(s) SULLIVAN, GORDON & CATHY Home Phone (406)293-8496
Citizen Address 143 CROSSWAY AVE Work Phone (406)293-8475
City: LIBBY State: MT Zip 59923 Cell Phone: (406)291-0421

Mailing Address Information

Mailing Address PO BOX 718
City: LIBBY State: MT Zip 59923

Property Information

Property Address: 143 CROSSWAY AVE Phone: (406)293-
City: LIBBY State: MT Zip 59923

Actions

Category: ERS SubCategories: ACTIVE

Notes

Gordon called in and talked to Mike Cirian. His front porch collapsed and knowing that there was material left behind, adjacent to the porch, he requested someone come out to look the area that was inaccessible for cleanup, in order to rebuild the porch next spring. Mike contacted Kevin Fortner. Kevin contacted Gordon and will visit the property on Monday the 12th.

From: Fortner, Kevin

Sent: Tuesday, January 13, 2009 11:14 AM

To: Rodriguez-Newstrom, Linda

Cc: 'Courtney.Zamora@dot.gov'; 'Cirian.Mike@epamail.epa.gov'; Lammers, Paul; Cook, Thomas; Raines, Nicholas; Crowell, Terry; Repine, Karen

Subject: ERS Sullivan - 143 Crossway Avenue

Volpe/Libby Asbestos Project Hotline Entry

Address: 143 Crossway Avenue Date: 01/12/2009

Owner: Sullivan, Gordon & Cathy PPE: Level D Elastic: Contractor Response

Weather: 38 F, Partly Cloudy Personnel Onsite: K. Fortner (CDM), M. Cirian (EPA)

Contractor: CDM Activities: ERS Response

Hotline Entry,

1458 Arrived onsite. Met with property owner G. Sullivan. A cleanup was completed at the property in July 2003. Recently the porch collapsed due to the snow load. VCI was sealed in place behind the ledger boards attached to the house during the cleanup in 2003. Low amounts of VCI is currently leaking out of the ledger boards. VCI was observed in and around the window and door trim and planter boxes located at the front of the house. The property owner has plans to replace ledger boards and build a new porch in the spring time (March at the earliest). Photos and measurements taken. See attached photos.

K. Fortner offsite at 1546

Wednesday, April 22, 2009

Page 1 of 4

Hotline Request 3166

ERS shall complete draft ERS QR SOW.

Please add to hotline and mark status to active.

Thanks,

Kevin R. Fortner

Fortner, Kevin

Sent: Tuesday, February 10, 2009 10:30 AM

To: Rodriguez-Newstrom, Linda

Cc: 'Courtney.Zamora@dot.gov'; Cirian.Mike@epamail.epa.gov; Lammers, Paul; Cook, Thomas; Raines, Nicholas; Repine, Damon; Repine, Karen; Fox, Kimberly; Crowell, Terry

Subject: ERS QR 143 Crossway Avenue

Importance: High

From:

Hotline Entry,

~ 1015 Received phone call from Cathy Sullivan. Cathy asked what we were going to do with vermiculite that is leaking out of the front of the house. Mrs. Sullivan stated that it is getting tracked into the house, blowing around the yard, and is on the firewood she is bringing into the house. Mrs. Sullivan also stated that she thinks that Mr. Sullivan removed the door trim from around the front door to install a screen door. Told Mrs. Sullivan that I will see what we can do to keep things clean until a quick response can be completed to address the ledger boards.

Please add to hotline.

Thanks,

Kevin R.

Fortner

From: Fortner, Kevin

Sent: Friday, April 10, 2009 2:21 PM

To: Rodriguez-Newstrom, Linda

Cc: 'Cirian.Mike@epamail.epa.gov'; 'Courtney Zamora'; Lammers, Paul; Cook, Thomas; Raines, Nicholas; Crowell, Terry; Repine, Karen; Repine, Damon; Fox, Kimberly; Tonner, Jessica; Pisciotta, Dominic

Subject: ERS Sullivan - 143 Crossway Avenue

Volpe/Libby Asbestos Project Hotline Entry

Address: 143 Crossway Avenue Date: 04/10/2009

Owner: Sullivan, Cathy & Gordon PPE: Level D Elastic:

Weather: ~ 44 F, partly cloudy Personnel Onsite: K. Fortner

Contractor: CDM Activities: ERS Inspection

Hotline Entry,

1119 Arrived onsite. Met with Cathy and Gordon Sullivan. Mr. Sullivan confirmed that the two concrete planters located on the north side of the house can be removed with no replacement including the flashing in planters. Restoration in the area of the planters will be structural fill up to grade. Mr. Sullivan confirmed that the trim around the windows may be removed with no replacement.

Hotline Request 3166

Mr. Sullivan showed me the exterior of the house around back where the laundry room is located. VCI was observed in between the cracks of the logs, leaking from the window, and a small cut out in the logs. Mr. Sullivan stated that he would like the VCI removed as part of the quick response. The trim around the window can be removed with no replacement required.

Mr. Sullivan stated that he also has future plans to remove the back deck including the joists and knows that he will come into contact with VCI around the ledger boards and joists. Mr. Sullivan stated that he did not want EPA to do the work for him regarding the back deck.

1207 Departed site.

Please add to hotline and status will remain active.

Thanks,

Kevin R. Fortner

Fortner, Kevin

Sent: Monday, April 20, 2009 3:39 PM

To: Rodriguez-Newstrom, Linda

Cc: 'Cirian.Mike@epamail.epa.gov'; 'Courtney.Zamora@dot.gov'; Lammers, Paul; Cook, Thomas; Raines, Nicholas; Crowell, Terry; Repine, Karen; Repine, Damon; Fox, Kimberly; Tonner, Jessica; Pisciotta, Dominic; Rode, Diane; McNally, Steve

Subject: RE: ERS Sullivan - 143 Crossway Avenue

From:

Volpe/Libby Asbestos Project Hotline Entry

Address: 143 Crossway Avenue Date: 04/20/2009

Owner: Sullivan, Cathy & Gordon PPE: Level D Elastic:

Weather: ~ 53 F, sunny Personnel Onsite: K. Fortner, S. McNally

Contractor: CDM Activities: ERS Inspection

Hotline Entry,

~ 1130 Arrived onsite and met with Gordon and Cathy Sullivan to discuss and sign ERS QR SOW. Mr. Sullivan explained past issues, concerns, and problems from the initial cleanup performed at the property. While discussing current SOW, current remodeling plans, and future remodeling plans Mr. Sullivan was not sure exactly what he wanted to do. Mr. Sullivan stated several times for us to do what we need to. Mr. Sullivan stated that he has plans to remove and replace the roof. Mr. Sullivan stated that he will replace the donner roof this year himself and would like EPA's assistance in the spring of 2010 to replace the entire house roof due to the VCI blocked in place around perimeter of house. Mr. Sullivan would like to proceed with the current ERS work that addresses the ledger boards, planters, and south side of house. However, Mr. Sullivan does not want the trim boards removed on the two windows on the south of the house.

~ 1254 Departed Site.

ERS will revise SOW and obtain property owner signature at a later time.

Please add to hotline and mark status to active.

Thanks,

Wednesday, April 22, 2009

Page 3 of 4

Hotline Request 3166

Kevin R. Fortner

Information Sent: Yes		Forward To	Follow Up Type	Status	Due Date	Sent Date
Comfort Letter	<input type="checkbox"/>					
Completion Letter	<input type="checkbox"/>					
CSS	<input type="checkbox"/>					
IFF	<input type="checkbox"/>					
Info Package	<input type="checkbox"/>					
Soil Sample Data	<input type="checkbox"/>					
Other	<input checked="" type="checkbox"/>	KF	Property visit	Active	1/12/2009	

Repine, Karen

From: Rodriguez-Newstrom, Linda
Sent: Thursday, April 23, 2009 10:25 AM
To: Repine, Karen
Subject: FW: Gordon Sullivan - wants to be put to the back of the list?

-----Original Message-----

From: Cirian.Mike@epamail.epa.gov [mailto:Cirian.Mike@epamail.epa.gov]
Sent: Tuesday, March 13, 2007 10:49 AM
To: Zamora, Courtney
Cc: Lammers, Paul; Peronard.Paul@epa.gov; Rodriguez-Newstrom, Linda; Linnert.Ted@epa.gov
Subject: RE: Gordon Sullivan - wants to be put to the back of the list?

For now we will wait for Gordon and Cathies response to Pauls letter.

"Zamora,
Courtney"
<Courtney.Zamora
@volpe.dot.gov>

03/13/2007 10:23
AM

To
Mike Cirian/EPR/R8/USEPA/US@EPA,
Paul Peronard/EPR/R8/USEPA/US@EPA

cc

"Lammers, Paul"
<LammersMP@cdm.com>,
Rodriguez-NewstromL@cdm.com, Ted
Linnert/0CP/R8/USEPA/US@EPA

Subject
RE: Gordon Sullivan - wants to be
put to the back of the list?

I guess we need some guidance on this. We were only going to do the PDI because Gordon requested it. The PDI team being "in his area" is fairly irrelevant... should we still try to do the PDI?

-----Original Message-----

From: Cirian.Mike@epamail.epa.gov [mailto:Cirian.Mike@epamail.epa.gov]
Sent: Tuesday, March 13, 2007 12:06 PM
To: Peronard.Paul@epamail.epa.gov
Cc: Zamora, Courtney; Lammers, Paul; Rodriguez-NewstromL@cdm.com; Linnert.Ted@epamail.epa.gov
Subject: Re: Gordon Sullivan - wants to be put to the back of the list?

Hi Again,

I guess trying to convey what Gordon was telling me is almost as confusing as his message to me. I will try to simplify the message.

Gordon wants off the Cleanup list and moved to the end of the Cleanup list.

If we are in his area we can contact Gordon and see at that time if he wants us to perform the PDI at that time.

Gordon and Cathie will respond to Paul Peronard's letter that was sent to them.

Hope this helps clarify,
Mike

Mike
Cirian/EPR/R8/US
EPA/US

03/13/2007 09:05
AM

To
Paul Peronard/EPR/R8/USEPA/US
cc
<Courtney.Zamora@volpe.dot.gov>,
"Lammers, Paul"
<LammersMP@cdm.com>. Ted
Linnert/0CP/R8/USEPA/US@EPA,
<Rodriguez-NewstromL@cdm.com>
Subject
Gordon Sullivan - wants to be put
to the back of the list?

Hello Paul,

I just got a call from Gordon Sullivan. He informed me that they (Cathie and Gordon) wanted to wait on the cleanup of his property. He asked if he puts off his property for clean up now does that move him to the back of the list. My answer was not necessarily. I told him we would take him off the list for cleanups this year and would let him know if we get over in his area at a later time. After a while he stated he wanted to go to the back of the list and we should clean up someone else's property instead. I asked him if he wanted us to do the PDI still and he stated that if we are in the area that would be fine but let him know when we are in the area.

Gordon said that he received the letter you wrote and he would be responding to that letter.

Mike

Repine, Karen

From: Courtney.Zamora@dot.gov
Sent: Friday, February 20, 2009 12:20 PM
To: Fortner, Kevin
Cc: Lammers, Paul; Cook, Thomas; Raines, Nicholas; Repine, Damon
Subject: RE: Assistance at the Sullivan property - 143 Crossway

Thanks, Kevin!

From: Fortner, Kevin [mailto:FortnerKR@cdm.com]
Sent: Friday, February 20, 2009 1:30 PM
To: Zamora, Courtney <VOLPE>
Cc: Lammers, Paul; Cook, Thomas; Raines, Nicholas; Repine, Damon
Subject: RE: Assistance at the Sullivan property - 143 Crossway

Courtney,

The work has been completed at the Sullivan property. ER had two laborers and the work took two hours (total of 4 man hours).

Please let me know if you need anything else.

Thanks,

Kevin R. Fortner
CDM
60 Port Blvd, Suite 201
Libby, Montana 59923
Office phone: 406-293-8595
Mobile phone: 406-291-1214
Fax: 406-293-8901
fortnerkr@cdm.com

From: Courtney.Zamora@dot.gov [mailto:Courtney.Zamora@dot.gov]
Sent: Thursday, February 19, 2009 4:37 PM
To: Fortner, Kevin
Cc: v.parker@erllc.com; Lammers, Paul; Cook, Thomas; Raines, Nicholas; Repine, Damon
Subject: RE: Assistance at the Sullivan property - 143 Crossway

Thanks Vince and Kevin!

From: Fortner, Kevin [mailto:FortnerKR@cdm.com]
Sent: Thursday, February 19, 2009 5:12 PM
To: Zamora, Courtney <VOLPE>
Cc: v.parker@erllc.com; Lammers, Paul; Cook, Thomas; Raines, Nicholas; Repine, Damon
Subject: RE: Assistance at the Sullivan property - 143 Crossway

Courtney,

The work is scheduled for 0800 tomorrow (02/19/2009). The property owner has approved the work for tomorrow.

Thanks,

Kevin R. Fortner

CDM

60 Port Blvd, Suite 201

Libby, Montana 59923

Office phone: 406-293-8595

Mobile phone: 406-291-1214

Fax: 406-293-8901

fortnerkr@cdm.com

From: Courtney.Zamora@dot.gov [mailto:Courtney.Zamora@dot.gov]

Sent: Thursday, February 19, 2009 2:50 PM

To: m.smith@erllc.com; v.parker@erllc.com

Cc: Fortner, Kevin; Courtney.Zamora@dot.gov; Julie.Borges@dot.gov

Subject: Assistance at the Sullivan property - 143 Crossway

Marilyn and Vince -

We need some help at the subject property. There is a minor amount of VCI that needs to be vacuumed and some poly that needs to be placed outside the home.

Kevin Fortner has the details and will be able to show you the work. Kevin will also coordinate the work with the homeowner.

I can pay for this with my credit card.

Thanks,
Courtney

Courtney Zamora

Volpe Center Site Manager

Cell: 617-694-7699

Home office: 303-940-3615



Victor
Ketellapper/EPR/R8/USEPA/
US

04/08/2009 07:35 AM

To Mike Clrian/R8/USEP/VUS@EPA

cc

bcc

Subject Libby - Fw: Recontamination of Sullivan house

Mike, Could you put together a timeline regarding the response to the Sullivan house ERS response since January. and a plan to address this problem. I will need to respond to this soon.

Victor Ketellapper, P.E.
USEPA
1595 Wynkoop St. (8EPR-B)
Denver, CO 80202

(303)312-6578

— Forwarded by Victor Ketellapper/EPR/R8/USEPA/US on 04/08/2009 07:32 AM —



gordsull@yahoo.com

04/07/2009 02:46 PM

Please respond to
gordsull@yahoo.com

To Victor Ketellapper/EPR/R8/USEP/VUS@EPA

cc VirginiaSloan <Virginia_Sloan@tester.senate.gov>

Subject Recontamination of Sullivan house

Victor,

As you know as a result of snow load, our front porch collapsed in January. There was substantial amount of v in 2003, when they were here to do their thing, decided it would be appropriate to contain the material with fo the front of our house and was buried in snow. We reported the release to the Emergency Response position. I concerned about tracking the material in the front door of the house. Of course we had to have the porch remo workers to VCI. Sometime later when the snow started to melt, the material was on our front doorstep. Again They showed up in their hazmat uniforms and vacumed what material was there. When the remainder of the s about the likely recontamination of our house by way of tracking material in that wasn't removed right away.

Now, in April, we are asked to review a complete clean-up plan and of course are concerned about our health the material in the first place. As you know this issue of recontamination is not new to us and has been going o

Please advise us as to the health affects.

Thank you.

Gordon and Cathie Sullivan

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
999 18th STREET, SUITE 300
DENVER, CO 80202

CONSENT FOR ENTRY AND ACCESS TO PROPERTY

Name:

Gordon Sullivan

Address:

143 Crossway Ave

Phone:

293-8496

Address of Property for which consent to access is granted:

Soil Sampling

Relationship to property:

(i.e., owner, 5-year tenant, etc.)

Owner

I consent to officers, employees, and authorized representatives of the United States Environmental Protection Agency (EPA) entering and having continued access to my property for the following purposes:

1. Air, wipe, and bulk sampling;
2. Such other actions as the EPA On-Scene Coordinator determines necessary to protect human health or welfare or the environment.

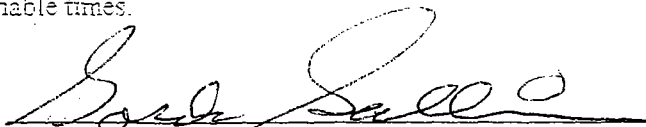
I realize that these actions by EPA are undertaken pursuant to its response authorities under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended (CERCLA), 41 U.S.C Section § 9601 et seq.

I also realize that there may be loss of or damage to property during these actions. In addition, I realize EPA will be using my utilities, including heat, water and electricity.

This written permission is given by me voluntarily with knowledge of my right to refuse and without threats or promises of any kind.

I certify that this Consent for Entry and Access is entered into voluntarily and constitutes an unconditional consent and grant of permission for access to the property by officers, employees and authorized representatives of EPA at reasonable times.

9/7/2001
Date


Signature

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
999 18TH STREET, SUITE 300
DENVER, CO 80202

BD- 002969

5/10/23/02

CONSENT FOR ENTRY AND ACCESS TO PROPERTY

Name:

Cathie Sullivan

Address:

Phone: 293 8496

Address of Property for which consent for entry and access is being granted:

143 Crossway Ave

Relationship to property:
(i.e., owner, tenant, etc.)

Owner

I, the undersigned, am the owner, their representative, or otherwise control the real property at the location described above. The Environmental Protection Agency (EPA) has requested entry and access to my property pursuant to its response and enforcement responsibilities under the Comprehensive Environmental Response, Compensation and Liability Act as amended (Superfund), 42 U.S.C. 9601 et seq.

I consent to officers, employees, and authorized representatives of the EPA, including their authorized contractors, entering and having continued access to my property for the following purposes:

1. Visually inspecting the property, including the interior and exterior of any home or any other structures on the property;
2. the taking of such soil, bulk, or dust samples as may be determined to be necessary;
3. the taking of actions to mark or temporarily cover exposed vermiculite.

This written permission is given by me voluntarily with knowledge of my right to refuse and without threats or promises of any kind. I certify that this Consent for Entry and Access is entered into voluntarily and constitutes an unconditional consent and grant of permission for access to the property by officers, employees, and authorized representatives of EPA at reasonable times.

Date

10/23/02

Signature

Cathie Sullivan

Community Involvement Checklist for Residential Removals

Libby, Montana

Resident Name(s): Gordon + Cathie Sullivan

Tenant Name(s): _____

Phone: 293-8496

Phone: _____

Address: 143 Crossway Ave

Address: _____

Mailing Address: _____

Mailing Address: _____

Anticipated Relocation Dates: _____

Type of Remediation: _____

Date Done	CIC Rep.
-----------	----------

Item

Meetings

- **Relocation meeting with residents.** Discuss the relocation, give them the relocation packet, and get information for authorization form i.e. SS#.
- **Pre-Construction meeting with residents, contractors, Volpe and CDM oversight.** Discuss the details of the removal and restoration activities.
- **Neighborhood Canvas.** Visit the neighbors within sight of the home being remediated before the remediation begins (2 days, if possible). Briefly discuss the work with them and leave them a Neighborhood Flyer. Leave a flyer if no one is home.

Paperwork

- **Access Agreement.** Have resident read and sign at initial meeting.
- **Residential Relocation Packet.** Given to resident at initial meeting.
- **Authorization for Superfund Temporary Relocation Assistance form.** Completed and signed, faxed to Volpe prior to relocation, original in resident file.
- **Neighborhood Flyer.** Update the electronic file for the Neighborhood Flyer with the address of the home to be remediated. Print out copies for distribution (colored paper)
- **Reimbursement Claim for Superfund Temporary Relocation Assistance form.** Completed and signed, faxed to Volpe at end of removal, originals in resident file.
- **Removal and Restoration Agreement for Residential Removals form - narrative** agreed upon by all parties. Signed by Volpe, CDM, removal contractor, and resident, copy to resident, removal contractor and CDM oversight - original in file.
- **Addendum for Removal and Restoration Agreement for Residential Removals.** Updates of the original form made during meetings with the contractors and the resident. Signed by CDM, CDM, removal contractor, and resident, copy to resident, removal contractor, original in file.
- **Removal and Restoration Completion Form for Residential Removals.** Completed and signed by resident, Volpe, ER. Copies to resident and removal contractor, original in file.
- **Residential Relocation Evaluation Form.** Mailed to resident with self-addressed stamped envelope to be returned to Karen Ekstrom in Helena.
- **EPA Removal Completion Letter.** EPA prepares. Original to resident, copy to file.

Other

- **Lodging -** During initial meeting with resident, find out lodging preference. Fill out hotel schedule (color coded on removal schedule)
- **Resident Contacts -** During the relocation, call the residents every couple of days to provide an update on the work status and to find out if everything is going smoothly with them. Number of calls will vary based on the resident involved.
- **Photos -** Collect digital photos from removal contractor and CDM oversight for completion folder at the end of the removal activities.

Regular Recurring Tasks for On-Site (not specific to a given homeowner)

- **Morning Meeting -** Attend morning meetings at CDM office (8 am M-F)
- **Close-out Meeting -** Attend close-out meeting at EPA Info Center (4 pm M-F)
- **Daily Reports -** Discuss events of the day. Email to Cook, Ekstrom, Thomi, & Morris.
- **Log Book -** Maintain Community Involvement Log Book.

Record of Communication

Resident: Gordon and Cathie Sullivan
 143 Crossway Ave

Date: Feb 26, 2003

I spoke with Gordon Sullivan regarding removal activities that would be occurring at his property this spring. The Sullivans operate two businesses out of their home and the purpose of this call was to inform them of the design inspection team that would be coming out next week (to be scheduled) and what timeframe a removal could work with his work schedule. He indicated that the 2nd week in April through the 2nd week in June would work best.

Tommy Cook

RE Sullivan Dust.txt

From: Cook, Thomas [CookTE@cdm.com]
Sent: Wednesday, March 05, 2003 5:47 PM
To: 'Christiansen.Jim@epamail.epa.gov'
Cc: Courtney Zamora (E-mail)
Subject: RE: Sullivan Dust

Jim,
As an FYI - I contacted Mr. Sullivan while I was in Libby last week to discuss future removal activities at his property. He seemed eager to work with us in planning the removal and suggested that mid-April to mid-June would work best for him. He realized that we would not be able to give him an exact start date at this time, but would notify him as soon as we could so he would have sufficient time to move items from his studio into storage. Initially, I don't see a problem with the May/June timeframe. A pre-design investigation was completed at his property this week. I will keep you and Courtney informed as planning continues. Let me know if you have any questions.
Tommy

-----Original Message-----

From: Christiansen.Jim@epamail.epa.gov
[mailto:Christiansen.Jim@epamail.epa.gov]
Sent: Friday, February 07, 2003 4:29 PM
To: Cook, Thomas
Subject: Re: Sullivan Dust

Thanks, FYI here is the letter I'm sending to Mr. Sullivan today.
Give it time to get there before we contact him, and ensure this gets added to his file. Thanks.

(See attached file: gordonsullivan2-6-03.wpd)

"Cook, Thomas"

<CookTE@cdm.com>
Christiansen/EPR/R8/USEPA/US@EPA
Jeff"
<MonteraJG@cdm.com>

To: Jim
cc: "Montera,

02/07/03 03:05 PM

Subject: Sullivan Dust

Jim,
Please see the attached spreadsheet with Sullivan dust sample results
(all

RE Sullivan Dust.txt

nondetect). If this format is not acceptable, let me know and I can modify.

Also, I can fax to you the applicable field sample data sheets if you prefer. Please let me know if you have any questions.

Tommy

<<SullivanDustSamplesISOConcentrations.xls>>

Thomas E. Cook

CDM

1331 seventeenth street, suite 1050

denver, colorado 80202

phone: 720.264.1117

fax: 303.295.1895

libby, mt phone: 406.293.8595

cookte@cdm.com

(See attached file: SullivanDustSamplesISOConcentrations.xls)

June 9th

wedding - ~~14th~~ 21st 28th
20th 27th

Notes from Relocation and Pre-Con

Date of Pre-Con 6/2/03 @ 10:00

Attendees KB, CB, CS, TC, Bea, TV, Spadock, Mike Kain

generator.

- Where is the shut off for electricity? NO: Power to Studio.
- Is there anything that has to stay on ie. Frig. Where are they?

- ~~Bridge - Kitchen~~ NO

- sump pump in basement every 3 hours.

- Are you on city water? NO
- Can we use it? NO
- Where is the water we can use? NO

- How many access points does ER need?

- Any underground utilities that are sensitive to equipment loads? back.

- Will there be a cleaning of living space? Yes.

- Are there any items in the attic that could be thrown away?

new attic Access will be made in ceiling of 2nd floor.

Rug - will be removed and not replaced.
padding and encapp floor.

→ Storage space rental?

plywood walk way over stream in front
for

5th wheel moved. trucks & boat will be moved.

There is a double ceiling above the 2nd floor.
all VCI will be removed that is accessible.

~~exterior~~ and interior exterior

all walls in front room.

all cabinetry in hallway will be removed.

ceiling on 2nd floor will be removed?

Blossom Boutique
681 Hwy 2 West
Libby, MT 59923

INVENTORY

6/3/3

19

Department Yard Restoration

Priced by

Sheet No.

Location 143 Crossway Ave

Extended by

Called by

Examined by

Entered by

ITEM NO.	DESCRIPTION	✓	QUANTITY	UNIT	PRICE	UNIT	EXTENSIONS			
	+ bleeding heart				7.50					7.50
if4*	2 peonies				18.00					36.00
	+ Barberry				18.00					18.00
	2 potentilla				15.00					30.00
	4 ferns				7.50					27.00
if4*	1 Climbing Rose				16.00					16.00
*	1 Clematis				18.00					18.00
*	2 Arborvitae				23.00					46.00
	+ Juniper				8.00					8.00
*	56 1 Gal perennials				4.80					268.80
										332.80
There are 2 large Day Lily Beds. 1 large iris bed, 20 or so tulips that will be salvagable for sure.										
owner has used 235.90 of credit available as of 7/1/3										
Amount Forward										

TOPS FORM 3477

LITHO IN U.S.A.

June 12, 2003

Gordon & Cathie Sullivan
P.O. Box 718
Libby, MT 59923

Subject: Remediation and Restoration

Dear Mr. & Mrs. Sullivan:

The enclosed Removal and Restoration Agreement is for your information there is no need to respond. If you have any questions please call me at (406) 293-1701.

Sincerely,

A handwritten signature in cursive script that reads "Karen J. Berry".

Karen Berry

CDM

Community Involvement Coordinator

Removal and Restoration Agreement for Residential Removals Libby, Montana

Owner's Name(s): Gordon and Cathie Sullivan

Phone: 293-8496

Address of Removal: 143 Crossway Ave

Mailing Address: PO Box 718

Anticipated Removal Dates: June 9, 2003 – June 25, 2003

Type of Remediation: Vermiculite-containing insulation removal from attic and exterior removal of vermiculite containing soil

Pre-Construction Meeting Date: June 3, 2003

Pre-Construction Meeting Attendees: Courtney Zamora (Volpe), Jessica Paddock (Volpe), Rea Crismore (Blossom Boutique), Chuck Jackson (ER), Mike Kair (ER), Karen Berry (CDM), Tommy Cook (CDM), Tom Vanderweel (CDM), Gordon and Cathie Sullivan (Owners)

Removal and Restoration Details Discussed and Agreed to:

INTERIOR

1. Vermiculite-containing insulation (VCI) will be removed from the unfinished and finished attic space. All other types of insulation within the attic will also be removed. Following the insulation removal, all attic surfaces will be wet-wiped and cleaned using a vacuum equipped with a high-efficiency particulate air (HEPA) filter. An encapsulant will be applied to areas of the attic from which VCI was removed to minimize release of residual contamination.
2. To facilitate the removal activities, the removal contractor will use the existing interior accesses into the attic.
3. Per the owner's request, the interior surface of the exterior walls in the front room, office and sitting room will be removed to enable the contractor to properly remove the VCI. Insulation behind the walls would typically be sealed to prevent contamination from entering the living space. Because the owners will be remodeling these rooms, it was agreed that the aforementioned walls will be removed and exposed to bare studs. Therefore, the government will not replace any building supplies (e.g., plywood, drywall) for the said rooms.
4. The ceilings of all rooms on the first floor and the upstairs bedroom will be removed to access the VCI in the floor and attic. The ceilings will be restored and finished with drywall and all work will be performed by the removal contractor during restoration efforts.
5. The VCI will be replaced with R-38 blown-in fiberglass throughout the entire attic. Insulation below the finished attic flooring will not be replaced.
6. There is visible VCI in the all three levels of the living space therefore an interior cleaning of these areas is warranted. The interior cleaning will include a thorough wet wiping and HEPA vacuuming of all horizontal surfaces. Cabinets attached to the ceiling and closets will be opened and inspected to ensure that VCI did not fall from the attic onto the shelves during the

removal. Any visible VCI within the cabinets and closets will be removed. Cracks, holes, and other damage that allows VCI to leak into the living space from the walls will be sealed.

7. The removal contractor will pump the water from the basement floor.
8. The removal contractor will provide their own water source for personal and equipment decontamination. All decontamination water will be captured and disposed of offsite.
9. Per the owner's request, all carpets on the first floor will be removed and disposed of without replacement.
10. The electricity to the house will be turned off and a generator will be used to supply electricity to the refrigerator/freezer unit in the kitchen. The electricity will be restored to the house when the removal and restoration activities are complete.

EXTERIOR

11. Vermiculite containing soil (VCS) was observed in the yard and flowerbeds around the house. Please see the attached map for details on the areas of excavation. The marked areas of yard and flowerbeds will be excavated to a depth of 12-inches and 18-inches, respectively. All contaminated soil will be removed and disposed of off site. Confirmation soil samples will be collected to verify that all of the contamination has been removed.
12. Should other exterior areas be identified to contain vermiculite during excavation, it too will be excavated and subsequent confirmation soil samples will be collected. All contaminated soil in the yard will be replaced with Government approved soil. The soil in the yard will be replaced with 6-inches of select fill and the top 6-inches with topsoil. The yard areas will be hydro-seeded and the removal contractor will water the yard areas for one week. It will then be the responsibility of the homeowner. The soil from the flowerbeds will be replaced with 18-inches of topsoil.
13. The removal contractor will build a temporary bridge over the creek in the front yard to allow for pedestrian traffic to the photo studio located in the back yard.
14. Prior to removal activities, the owners will move the truck, boat, and 5th-wheel camper off site.
15. The removal contractor will not place any heavy equipment on the side or back yard due to wet soil conditions.
16. Only EPA-authorized personnel will be allowed onsite during the removal and restoration activities. As stated in the relocation package, for their own safety, the resident will not be allowed to return to their property unless given permission by a Government representative. If the resident returns to their property without prior approval, their relocation agreement with the Government will be nullified. If an emergency arises and the resident requires items from inside the house (i.e., medication) they should contact Karen Berry (293-1701) and arrangements will be made to retrieve the item.
17. Some doors and windows may be left open as part of the removal process therefore security will be onsite whenever the removal contractor is not working. When the removal activities are complete, the windows and doors will be locked. Karen Berry will be responsible for the

key to the property until removal and restoration activities are complete, at which time the key will be returned to the resident.

Cathie Sullivan
Gordon or Cathie Sullivan, Owner

6/9/03
Date

Courtney Zamora
Courtney Zamora, Volpe

6/11/03
Date

Karen Berry
Karen Berry, CDM

6/9/03
Date

Chuck Jackson
Chuck Jackson, ER

6/9/03
Date



Information Update for Neighbors of Properties Undergoing Asbestos Cleanups

On June 9, 2003, the U.S. Environmental Protection Agency (EPA) will begin on asbestos removal action at **143 Crossway Ave.** This work is part of EPA's ongoing efforts to protect the health of the citizens of Libby by removing significant source areas of asbestos from residential areas. It typically involves removal of vermiculite-containing insulation. EPA would like to ensure neighbors that this work has been carefully designed with the health and safety of workers and the community as the primary concern. EPA's contractors are VERY experienced in the safe removal of asbestos-containing materials.

The following is a brief list of health and safety information that may interest you:

- **Protective Clothing and Equipment.** Because they are working in direct contact with asbestos-contaminated materials, workers will be wearing protective clothing and equipment. This includes gloves, white Tyvek suits, and respirators. This serves to protect them from inhalation of asbestos fibers. It also allows them to be fully decontaminated before leaving the site, thereby protecting the community. *People who are not working with the materials on site DO NOT need to wear this clothing and equipment.*
- **Decontamination.** The work areas are segregated to prevent contamination from being spread off-site. Workers or equipment cannot leave the property without a thorough decontamination. *NO ONE will be allowed on site without authorization.*
- **Dust Control and Monitoring.** The work is being completed under conditions designed to eliminate airborne transport of dust. Materials will be wetted and wind conditions will be monitored to ensure that dust is not generated. Air monitors have been set up along the perimeter of the property, and the air quality will be monitored throughout the project. The results of that monitoring will be used to verify that dust control measures were successful.
- **Road Safety.** Trucks will be traveling to and from the property during this work. The drivers are experienced and are aware of the precautions necessary to move safely through residential areas. Routes have been chosen to maximize safety, and drivers will be careful of their speeds and alert to the potential for children to be in the road. *Please help us by reminding your children to be extra aware of traffic during this time*
- **Noise.** This work involves heavy equipment and trucks, but EPA has made every effort to minimize the associated noise, in part by limiting working hours to between 7:30am and 6:30pm, Monday through Saturday. A small generator is used in the winter months to keep equipment from freezing, but the noise is generally not a problem, especially when windows are closed. Neighbors may also occasionally notice the vehicle of one of the security guards, who are on duty during hours when the house is unoccupied.



The remediation work is scheduled to begin on June 9, 2003 and should be completed by June 19, 2003. If you have questions, or need assistance, please call the on-site Community Involvement Coordinator at 293-1701 (cell). You may also call or visit the EPA Information Center at 501 Mineral Avenue (293-6194).

**U. S. DOT – VOLPE CENTER
AUTHORIZATION FOR SUPERFUND TEMPORARY RELOCATION ASSISTANCE**

1. Name of Applicant/Head of Household: Cathie Sullivan

2. Social Security Number: [REDACTED]

3. Residence Address: 143 Crossway Ave
Libby, MT 59923

Mailing Address: P.O. Box 718
Libby, MT 59923

4. Phone Number: 293-8496

<u>Name of Persons Living in Dwelling</u>	<u>Relation to Head of Household (HOH)</u>	<u>Age(Children Only)</u>
Cathie Sullivan	HON	NA
Gordon Sullivan	Spouse	NA

6. Type of temporary housing required: 111 Crossway Ave

7. Number of rooms required and names of persons in each room NA

8. Will any pets need to be boarded at a kennel? If yes, how many and what type? No

9. Will you incur any other expenses you would not normally incur? If yes, please itemize? Yes
\$5.00 per day for personal phone calls

Signature of Applicant: Cathie Sullivan Date: 6/5/03

10. Location of Temporary Housing: 111 Crossway Ave

11. Start date of Temporary Relocation: 9-Jun-03

12. Approximate Number of days in Temporary Housing: 7 to 14 days

13. Authorizing Official: _____
(Division Chief) (Date)

14. Accounting Classification: PPA: _____
WPB: _____
Object Cla: _____

15. Estimated Costs:	Food Allowance: \$367.50 to \$735.00	(\$52.50/day x 7 to 14 days)
	Housing: \$385.00 to \$770.00	(\$55/day x 7 to 14 days)
	Other: \$35.00 to \$70.00	(\$5.00/day x 7 to 14 days)
	Total: \$787.50 to \$1575.00	

Waiver for Non-Government Provided Housing

"Asbestos" refers to Libby asbestos originating from the Libby vermiculite mine.

I am aware that the accommodations that I am choosing may contain asbestos-containing materials that could be harmful to my health. I am aware that the government is offering housing for which no exposure to these asbestos-containing materials will occur. By choosing to stay elsewhere, I understand that the Government is exempt from CFR Part 24, Section 24.2(f) of the Uniform Regulations Act (Comparable Housing Regulations) and I do not hold the Government liable for further potential exposure.

Ernie Sullivan

Signature of Resident being relocated

6/9/03
Date

Authorization No.: _____

**U. S. DOT - VOLPE CENTER
AUTHORIZATION FOR SUPERFUND TEMPORARY RELOCATION ASSISTANCE**

1. Name of Applicant/Head of Household: Cathie Sullivan

2. Social Security Number: [REDACTED]

3. Residence Address: 143 Crossway Ave
Libby, MT 59923Mailing Address: P.O. Box 718
Libby, MT 59923

4. Phone Number: 293-8496

5. Name of Persons Living in Dwelling Relation to Head of Household (HOH) Age (Children Only)Cathie Sullivan
Gordon SullivanHOH
SpouseNA
NA

6. Type of temporary housing required: 111 Crossway Ave

7. Number of rooms required and names of persons in each room NA

8. Will any pets need to be boarded at a kennel? If yes, how many and what type? No

9. Will you incur any other expenses you would not normally incur? If yes, please itemize? Yes
\$5.00 per day for personal phone callsSignature of Applicant: Cathie Sullivan Date: 6/5/03

10. Location of Temporary Housing: 111 Crossway Ave

11. Start date of Temporary Relocation: 9-Jun-03

12. Approximate Number of days in Temporary Housing: 7 to 14 days

13. Authorizing Official: [Signature] 66
(Division Chief)6/13/03
(Date)14. Accounting Classification: PPA: VX 314
WPB: N 3079
Object Class: _____

15. Estimated Costs:

Food Allowance: \$357.50 to \$735.00
Housing: \$385.00 to \$770.00
Other: \$35.00 to \$70.00
Total: \$777.50 to \$1575.00(\$52.50/day x 7 to 14 days)
(\$55/day x 7 to 14 days)
(\$6.00/day x 7 to 14 days)

**U.S. DOT - VOLPE CENTER
REIMBURSEMENT CLAIM FOR SUPERFUND TEMPORARY RELOCATION
ASSISTANCE**

1. Authorization Number: _____

2. Name of Claimant/Head of Household: **Gordon Sullivan**

3. Name	Relation to HOH	Age	Food Allowance*	Number of Days in Temporary Housing	Allowance
Gordon Sullivan	HOH	NA	\$30.00	24 days	\$712.50
Cathie Sullivan	Spouse	NA	\$22.50	24	\$534.38

Total \$1,246.88

4. Dates Relocated: **6/9/03 to 7/2/03**

* Note: Final day of relocation is reimbursed at a rate of 75% of that of other days.

4. Time authorized to return to residence by CIC: **5:00 P.M.**

* Note: If resident is authorized to return to their home before 6:00pm, EPA will not pay for hotel accommodations that evening. Arrangements have been made with the local hotels to facilitate late checkout.

5. Pre-approved Kennel Costs: none

6. Laundry: **\$28.75**

7. Total Costs Claimed (Must attach ACH form): **\$1,275.63**

8. I certify that this claim is true and correct to the best of my knowledge and belief, and that payment or credit has not been received by me.

Signature of Claimant: Cathie Sullivan

Date: 7/3/03

9. This voucher is approved.

Approving Official: _____

Date: _____

10. This voucher is certified correct and proper for payment.

Certifying Official: _____

Date: _____

* Could not move in because there was no lights in the house
HJB 7/3/03 BB

REQUEST AND AUTHORIZATION FOR DIRECT DEPOSIT OF
PAYMENTS

To have your reimbursements directly deposited to your savings or checking account, complete the information requested below and return this form with your reimbursement claim form. If you have any questions, please call Karen Berry at (406)-293-1701.

I request that reimbursements of relocation expenses due me be deposited to the account specified below:

A. EMPLOYEE INFORMATION

Payee's Name: Cathie Gordon Sullivan
(Print)

Social Security No: [REDACTED] - [REDACTED] - [REDACTED] Telephone No.: 406-293-8496

Mailing Address: P.O. Box 718

City: Libby State: MT Zip: 59923 -

B. DIRECT DEPOSIT INFORMATION

Account Type: ☒ Checking ☐ Savings (if unclear, check with your bank)

ACH Routing Transit Number (9-digit): 092 1028 851

Account Number: [REDACTED]

Account Title (Account Holder's Name) The Focal Point - Gordon & Cathie Sullivan
(As it appears on bank book or checks)

Financial Institution Name: First National Bank

C. AUTHORIZATION

I authorize my reimbursement to be deposited in the account designated above.

Payee's Signature: Cathie Sullivan Date: 8/7/03

FOR VOLPE CENTER ACCOUNTING USE ONLY

FOD Verified: ☐

T-16: _____

Name: _____

**U.S. DOT - VOLPE CENTER
REIMBURSEMENT CLAIM FOR SUPERFUND TEMPORARY RELOCATION
ASSISTANCE**

1. Authorization Number: _____

2. Name of Claimant/Head of Household: **Gordon Sullivan**

3. Name	Relation to HOH	Age	Food Allowance*	Number of Days in Temporary Housing	Allowance
Gordon Sullivan	HOH	NA	\$30.00	53 days	\$1,582.50
Cathie Sullivan	Spouse	NA	\$22.50	53 days	\$1,186.88

Total \$2,769.38

4. Dates Relocated: 6/9/03 to 7/31/03

* Note: Final day of relocation is reimbursed at a rate of 75% of that of other days.

5. Time authorized to return to residence by CIC: **5:00 P.M.**

* Note: If resident is authorized to return to their home before 6:00pm, EPA will not pay for hotel accommodations that evening. Arrangements have been made with the local hotels to facilitate late checkout.

6. Lodging: **\$2,100.00 (see attached receipts)**

7. Phone: **\$120 (\$5/day x 24 days)**

8. Laundry: ~~\$28.75~~ (see attached receipts) #0 we do not pay drycleaning
6/7/03 mm

9. Total Costs Claimed (Must attach ACH form): ~~\$5,018.43~~ **\$4989.38**

10. I certify that this claim is true and correct to the best of my knowledge and belief, and that payment or credit has not been received by me.

Signature of Claimant: *Gordon Sullivan*

Date: 8/7/03

11. This voucher is approved,

Approving Official: *[Signature]*

Date: 8/14/03

12. This voucher is certified correct and proper for payment.

Certifying Official: _____

Date: _____

**U.S. DOT - VOLPE CENTER
REIMBURSEMENT CLAIM FOR SUPERFUND TEMPORARY RELOCATION
ASSISTANCE**

Authorization Number: _____

2. Name of Claimant/Head of Household: **Gordon Sullivan**

3. Name	Relation to HOH	Age	Food Allowance*	Number of Days in Temporary Housing	Allowance
Gordon Sullivan	HOH	NA	\$30.00	53 days	\$1,582.50
Cathie Sullivan	Spouse	NA	\$22.50	53 days	\$1,186.88

Total \$2,769.38

4. Dates Relocated: **6/9/03 to 7/31/03**

* Note: Final day of relocation is reimbursed at a rate of 75% of that of other days.

5. Time authorized to return to residence by CIC: **5:00 P.M.**

* Note: If resident is authorized to return to their home before 6:00pm, EPA will not pay for hotel accommodations that evening. Arrangements have been made with the local hotels to facilitate late checkout.

6. Lodging: **\$2,100.00 (see attached receipts)**

7. Phone: **\$120 (\$5/day x 24 days)**

8. Laundry: **\$28.75 (see attached receipts)**

9. Total Costs Claimed (Must attach ACH form): **\$5,018.13**

10. I certify that this claim is true and correct to the best of my knowledge and belief, and that payment or credit has not been received by me.

Signature of Claimant: _____

Date: 8/7/03

11. This voucher is approved.

Approving Official: _____

Date: _____

12. This voucher is certified correct and proper for payment.

Certifying Official: _____

Date: _____

**U.S. DOT - VOLPE CENTER
REIMBURSEMENT CLAIM FOR SUPERFUND TEMPORARY RELOCATION
ASSISTANCE**

1. Authorization Number: _____

2. Name of Claimant/Head of Household: **Gordon Sullivan**

3. <u>Name</u>	<u>Relation to HOH</u>	<u>Age</u>	<u>Food Allowance*</u>	<u>Number of Days in Temporary Housing</u>	<u>Allowance</u>
Gordon Sullivan	HOH	NA	\$30.00	30 days	\$892.50
Cathie Sullivan	Spouse	NA	\$22.50	30 days	\$669.38
Gordon Sullivan	HOH	NA	\$13.50	23 days	\$310.50
Cathie Sullivan	Spouse	NA	\$10.13	23 days	\$232.99

Total \$2,105.37

4. Dates Relocated: **6/9/03 to 7/31/03**

* Note: Final day of relocation is reimbursed at a rate of 75% of that of other days.

* Note: Reimbursement rate is reduced by 55% after 30 days.

5. Time authorized to return to residence by CIC: **5:00 P.M.**

* Note: If resident is authorized to return to their home before 6:00pm, EPA will not pay for hotel accommodations that evening. Arrangements have been made with the local hotels to facilitate late checkout.

6. Lodging: **\$2,100.00** (see attached receipts)

Laundry: **\$28.75** (see attached receipts)

8. Total Costs Claimed (Must attach ACH form): **\$4,234.12**

9. I certify that this claim is true and correct to the best of my knowledge and belief, and that payment or credit has not been received by me.

Signature of Claimant: *Cathie Sullivan*

Date: 8/7/03

10. This voucher is approved.

Approving Official: _____

Date: _____

11. This voucher is certified correct and proper for payment.

Certifying Official: _____

Date: _____

*disregard -
gave them
full per diem*

Magic Cleaners
221 California Ave.
L.oby, Montana 59923
(406) 293-8413

PRINT NAME

ADDRESS / PHONE

DATE _____

6.13.2003

RACK

M	T	W	Th	F	S	RACK
QUAN.	ARTICLE					PRICE
1	Dress Silk/Moral					8 75
1	Ladies 2 piece dress Cotton					10 00
1	Ladies 2 piece dress Brown/Moral					10 00 78 75
TOTAL						

Not responsible for garments left over 30 days

Robert & Cheryl LeCount
3442 Pinyon Rd.
Springfield, OR 97478

Invoice

Invoice Date: July 15, 2003

Bill To:

Cathie & Gordon Sullivan
143 Crossway Ave.
Libby, Montana 59923

Ship To:

Robert & Cheryl LeCount
3342 Pinyon Rd.
Springfield, OR 97478

Invoice for the rent of 111 Crossway Ave., Libby, MT., 59923

Phone: 541-736-0896
Cell: 541-870-0896

Date	Service	Total
June 9	Rent & Utilities	\$50.00
June 10	Rent & Utilities	\$50.00
June 11	Rent & Utilities	\$50.00
June 12	Rent & Utilities	\$50.00
June 13	Rent & Utilities	\$50.00
June 14	Rent & Utilities	\$50.00
June 15	Rent & Utilities	\$50.00
June 16	Rent & Utilities	\$50.00
June 17	Rent & Utilities	\$50.00
June 18	Rent & Utilities	\$50.00
June 19	Rent & Utilities	\$50.00
June 20	Rent & Utilities	\$50.00
June 21	Rent & Utilities	\$50.00
June 22	Rent & Utilities	\$50.00
June 23	Rent & Utilities	\$50.00
June 24	Rent & Utilities	\$50.00
June 25	Rent & Utilities	\$50.00
June 26	Rent & Utilities	\$50.00
June 27	Rent & Utilities	\$50.00
June 28	Rent & Utilities	\$50.00
June 29	Rent & Utilities	\$50.00
June 30	Rent & Utilities	\$50.00
July 1	Rent & Utilities	\$50.00
July 2	Rent & Utilities	\$50.00
	Subtotal	\$1200.00
	Total Amount Due	\$1200.00

[illegible]

I understand that by signing this form I am accepting a Money Order in the amount of \$149.00 for the acquisition of a 17 inch Dell Monitor. I also understand that I am accepting the full responsibility for the selection, delivery, and re-placement of 17 inch monitor.

I understand that no other person, company, or agency will be responsible for said selection in any way, shape or form.

I hereby relinquish any claim under this task order upon receipt of my certificate.

Cathie Sullivan 9/14/03
Cathie Sullivan Date
Gordon Sullivan 9/14/03
Gordon Sullivan Date

Task Order: 072-08-007

Money Order Amount: \$149.00

Issued and Witnessed By: _____
(ER Representative)

Witnessed By: [Signature]
(CDM Representative)

Section Two

LIBBY MONTANA SITE INVESTIGATION PHASE 1 BACKGROUND INFORMATION FIELD FORM

Field Logbook No.: 100022 Page No.: 138 Site Visit Date: 2/15/02
 Address: 143 Crossway Ave
 Occupant: Gordon Sullivan, Kathie Phone Number: 8496
 Owner (if different than Occupant): same Phone Number: _____
 Sampling Team: Vanderweel / Perana

Data Item	Value	Notes
HOUSE ATTRIBUTES		
Property Description	<u>Residential</u> Industrial Commercial	<u>Photography Business</u>
Surrounding Land Use	<u>Residential</u> Industrial Commercial School Mining Other: _____	
Year of Construction	<u>1930's - 40's</u> Unknown	
Square Footage	<u>1633 ft²</u>	
Construction Material	<u>Wood frame</u> Masonry/Stone Other: _____	
Number of Floors Above Ground	1 <u>2</u> 3 Other: _____	
Number of Rooms Per Floor Above Ground	1: <u>7</u> 2: <u>2</u> 3: _____ Other: _____	
Basement	Yes <u>No</u>	<u>Crawlspace</u>
Heating Source	Wood/Coal Electric <u>Propane/Gas</u> Other: _____	
Heat Distribution	<u>Forced air</u> Radiant Other: _____	
OCCUPANT INFORMATION		
Number of Adults/Employees	1 <u>2</u> 3 4 5-15 16-20 21-30 >30	
Number of Children	<u>0</u> 1 2 3 4 Other: _____	
Years at Location	<1 1-5 <u>5-10</u> 10-15 >15	<u>6 yrs</u>

PHASE 1 BACKGROUND INFORMATION FIELD FORM (continued)

Address: 143 Crossway Ave

Data Item	Value	Notes
Was the residence/building remodeled?	<input checked="" type="radio"/> Yes <input type="radio"/> No If yes, When (years): <2 2-5 >5 Where: Attic <input checked="" type="radio"/> Living Areas Garage Basement Other: _____	Surface Remodeling Upstairs Office
Has resident/business purchased any Libby vermiculite materials from W.R. Grace in the past?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Has the property at this location been used for a for-profit enterprise of distributing, treating, storing, or disposing of Libby vermiculite?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Has any occupant worked at the W.R. Grace mine and/or any former processing plant?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Are there any know areas of exposed vermiculite?	<input checked="" type="radio"/> Yes <input type="radio"/> No If yes, Where: <input checked="" type="radio"/> Ceiling <input checked="" type="radio"/> Walls Floors <input checked="" type="radio"/> Attic Other: _____	
INDOOR ASSESSMENT		
Vermiculite Insulation and Estimated Volume (ft³)	Attic: _____ <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA Walls: _____ <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA Basement: _____ <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> NA Crawl Space: _____ <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA Other: _____	→ 8" deep → 4" deep at base and on top of fire stops
Evidence of Physical Damage?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Evidence of Water Damage?	<input type="radio"/> Yes <input checked="" type="radio"/> No	

PHASE 1 BACKGROUND INFORMATION FIELD FORM (continued)

Address: 143 Crossway Ave

Data Item	Value	Notes
Degree of Accessibility of ACM?	Difficult <u>Moderate</u> Easy	Description of access required Number of attic accesses <u>1</u> <u>Storage closet @ top of steps</u>

OUTDOOR ASSESSMENT

Vermiculite Material and Estimated Volume (ft ³)	Garden: _____ <u>Yes</u> No NA Yard: _____ <u>Yes</u> No NA Stockpiles: _____ Yes No NA Other: _____	<u>SE Corner of house 30'x20'</u> <u>Around perimeter of house</u> <u>Top 6" of yard may contain vermiculite</u>
Degree of Accessibility of ACM?	Difficult Moderate <u>Easy</u>	Description of access required <u>Front Driveway</u>

EXPOSURE ASSESSMENT

Type and Frequency of Activity Near Vermiculite Material - Indoor	Frequency: <u>Once a day</u> Once a week Once a month Once a year	<u>Sweep floor at least once a week.</u> <u>Every time sweeping is completed, vermiculite is swept from floor and disposed in garbage.</u>
	Duration of Contact: <u><1 hour</u> 1-2 hours 2-4 hours >4 hours	
	Extent of Contact: <u>Heavy</u> <u>Moderate</u> Light	

PHASE 1 BACKGROUND INFORMATION FIELD FORM (continued)

Address: 143 ^{215/22} ~~Crown~~ Crossway Ave

Data Item	Value	Notes
Type and Frequency of Activity Near Vermiculite Material - Outdoor	Frequency: <u>Once a day</u> Once a week Once a month Once a year	<u>During Summer Months</u>
	Duration of Contact: <1 hour <u>1-2 hours</u> 2-4 hours >4 hours	
	Extent of Contact: Heavy <u>Moderate</u> Light	

RECOMMENDED REMOVAL ACTION

Indoor	Attic: <u>Yes</u> No NA	
	Wall: <u>Yes</u> No NA	
	Basement: <u>Yes</u> No NA	
	Other: _____ Yes No NA	
Outside	Garden: Yes No <u>NA</u>	
	Flower Bed: <u>Yes</u> No NA	
	Yard: <u>Yes</u> No NA	
	Stockpiles: Yes <u>No</u> NA	
	Shed/Water Pump House: Yes <u>No</u> NA	
	Other: _____ Yes No NA	

ADDITIONAL INFORMATION

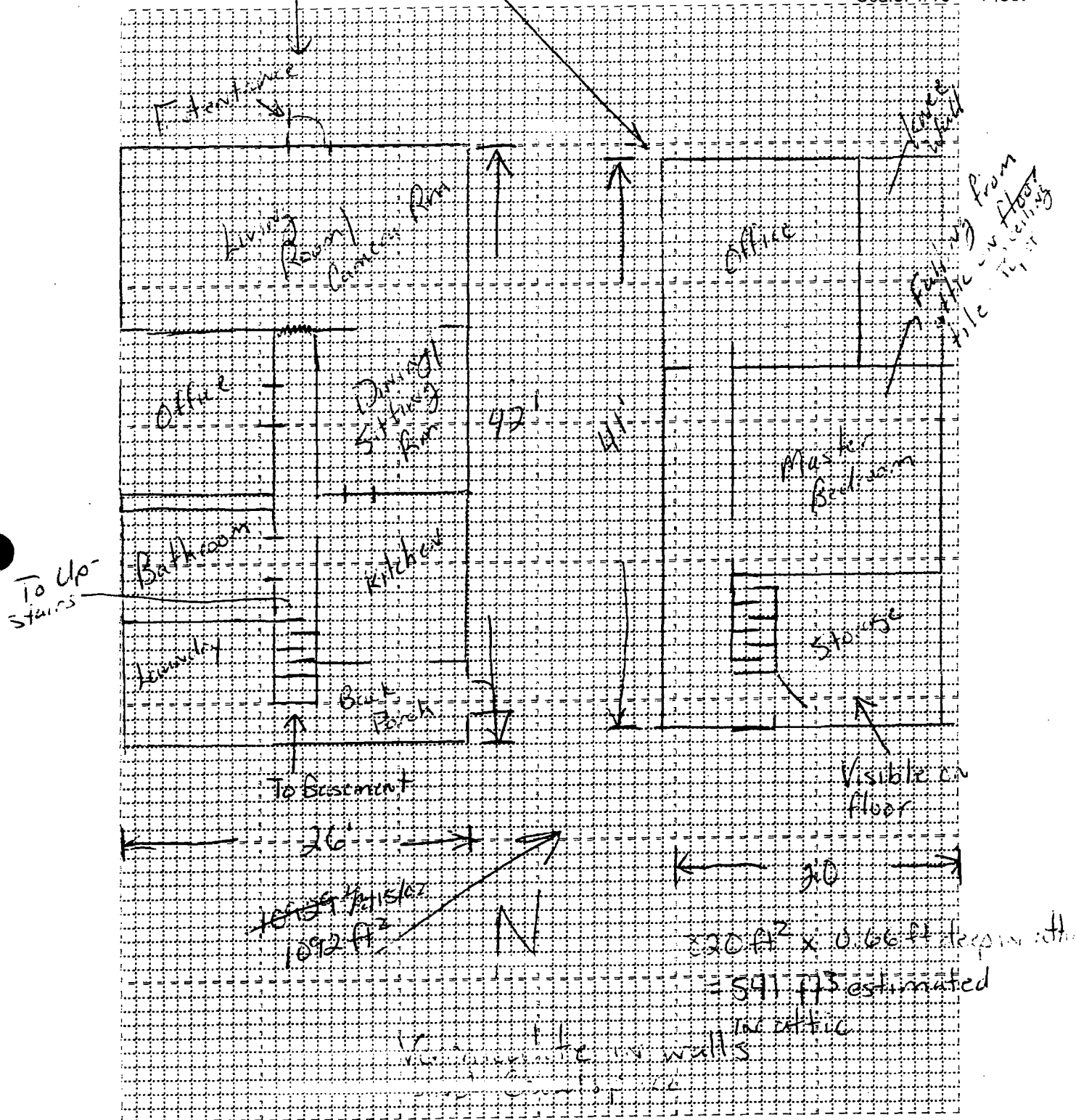
Significant amount of vermiculite noted on the 2nd level
living space

FIELD DIAGRAM OF HOUSE

Floor of House (circle): First Second Third Basement

Include approximate dimensions of rooms and floor covering type. Use more than one diagram if needed.

Scale: 1/10" = 1 foot



Phase 1 Background IFF No. 00304Soil samples collected (Date: 10/23/02)No CSS Soil Samples Collected
To beLIBBY ASBESTOS PROJECT
Contaminant Screening Study

Primary Structure and Property Assessment Supplemental Information Field Form (SIFF)

Field Logbook No.: 100145 Page No.: 138 Site Visit Date: 10/23/02Address: 143 Crossway Ave. Structure Description: HouseOccupant: Cathie Sullivan Phone Number: 293-8496Owner (if different than occupant): NA Phone Number: NASampling Team: Mik Coffey CAM, Shawn OliveiraField Form Check Completed by (100% of forms): NAScreening Field Check Completed by (2% of forms): NA

Data Item	Value	Notes
INDOOR ASSESSMENT		
Vermiculite Insulation Past or Present	Attic: Yes No NA Unknown Walls: Yes No NA Unknown Basement: Yes No NA Unknown Crawl Space: Yes No NA Unknown Other: _____	Visual confirmation of current presence or absence required for attic. • 2-4" ZAI in attic • Walls appeared to contain ZAI • LV observed in basement
OUTDOOR ASSESSMENT		
Libby Amphibole Sources Present	Garden: Yes No NA Yard: Yes No NA Stockpiles: Yes No NA Other: _____	• No LV observed, heavy frost on ground. Previous Phase I found lots of LV on property
Proximity to Other Properties with Potential Sources of Libby Amphiboles	Next door Within same block Other: _____ Unknown	

SUPPLEMENTAL INFORMATION FIELD FORM (continued)

Address: 143 Crossway AveBD# 002969

Data item	Value	Notes
EXPOSURE ASSESSMENT		
Type and Frequency of Activity Near Vermiculite Material - Indoor	Frequency: <ul style="list-style-type: none"> Once a day <u>Once a week</u> Once a month Once a year Not Applicable 	Not Applicable applies when no vermiculite is present on the property. • ZAI leaks from attic
	Duration of Contact: <ul style="list-style-type: none"> <1 hour <u>1-2 hours</u> 2-4 hours >4 hours Not Applicable 	
	Extent of Contact: <ul style="list-style-type: none"> Heavy <u>Moderate</u> Light Not Applicable 	
Type and Frequency of Activity Near Vermiculite Material - Outdoor	Frequency: <ul style="list-style-type: none"> <u>Once a day</u> Once a week Once a month Once a year Not Applicable 	Not Applicable applies when no vermiculite is present on the property.
	Duration of Contact: <ul style="list-style-type: none"> <1 hour <u>1-2 hours</u> 2-4 hours >4 hours Not Applicable 	
	Extent of Contact: <ul style="list-style-type: none"> Heavy <u>Moderate</u> Light Not Applicable 	

SUPPLEMENTAL INFORMATION FIELD FORM (continued)

Address: 143 Crossway Ave

BD# 002969

Data Item	Value	Notes
CONTAMINANT SCREENING STUDY ASSESSMENT		
Occupant Information		
Is there any knowledge of former miners, close relative of miners, or any highly exposed persons living or visiting the property?	<input checked="" type="radio"/> Yes <input type="radio"/> Unknown <input type="radio"/> No	Friends worked at mine, previous owners as well
Is the resident, past or present, diagnosed with an asbestos related disease?	<input type="radio"/> Yes <input checked="" type="radio"/> Unknown <input type="radio"/> No	
Indoor Information		
Does the interior have Zonolite attic insulation?	<input checked="" type="radio"/> Yes <input type="radio"/> Unknown <input type="radio"/> No	
Did the interior ever have Zonolite attic insulation?	<input type="radio"/> Yes <input type="radio"/> Unknown <input checked="" type="radio"/> No <input type="radio"/> NA	NA applies if attic currently has ZAI.
Are there vermiculite additives in any of the building materials?	<input type="radio"/> Yes <input type="radio"/> Unknown <input checked="" type="radio"/> No	
Outdoor Information		
Is there any evidence of primary source materials at or near the property?	<input type="radio"/> Yes <input checked="" type="radio"/> Unknown <input type="radio"/> No	* Heavy frost on ground made observation difficult.
Could this have been tracked indoors or otherwise spread outdoors on the property?	<input type="radio"/> Yes <input checked="" type="radio"/> Unknown <input type="radio"/> No	
Overall Assessment		
Are primary source materials present at the property?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Where are primary source materials located?	<input checked="" type="radio"/> Inside <input type="radio"/> Outside <input type="radio"/> Both <input type="radio"/> NA	
ADDITIONAL INFORMATION 2-4" of ZAI in attic, wall also appeared to contain ZAI, also checked in basement/ground space. No outdoor observation difficult. Previous investigations found LL throughout yard & garden areas. No ZAI in additional structure. Resident operates a photography studio out of house, lots of children/families are in & out		

SUPPLEMENTAL INFORMATION FIELD FORM (continued)

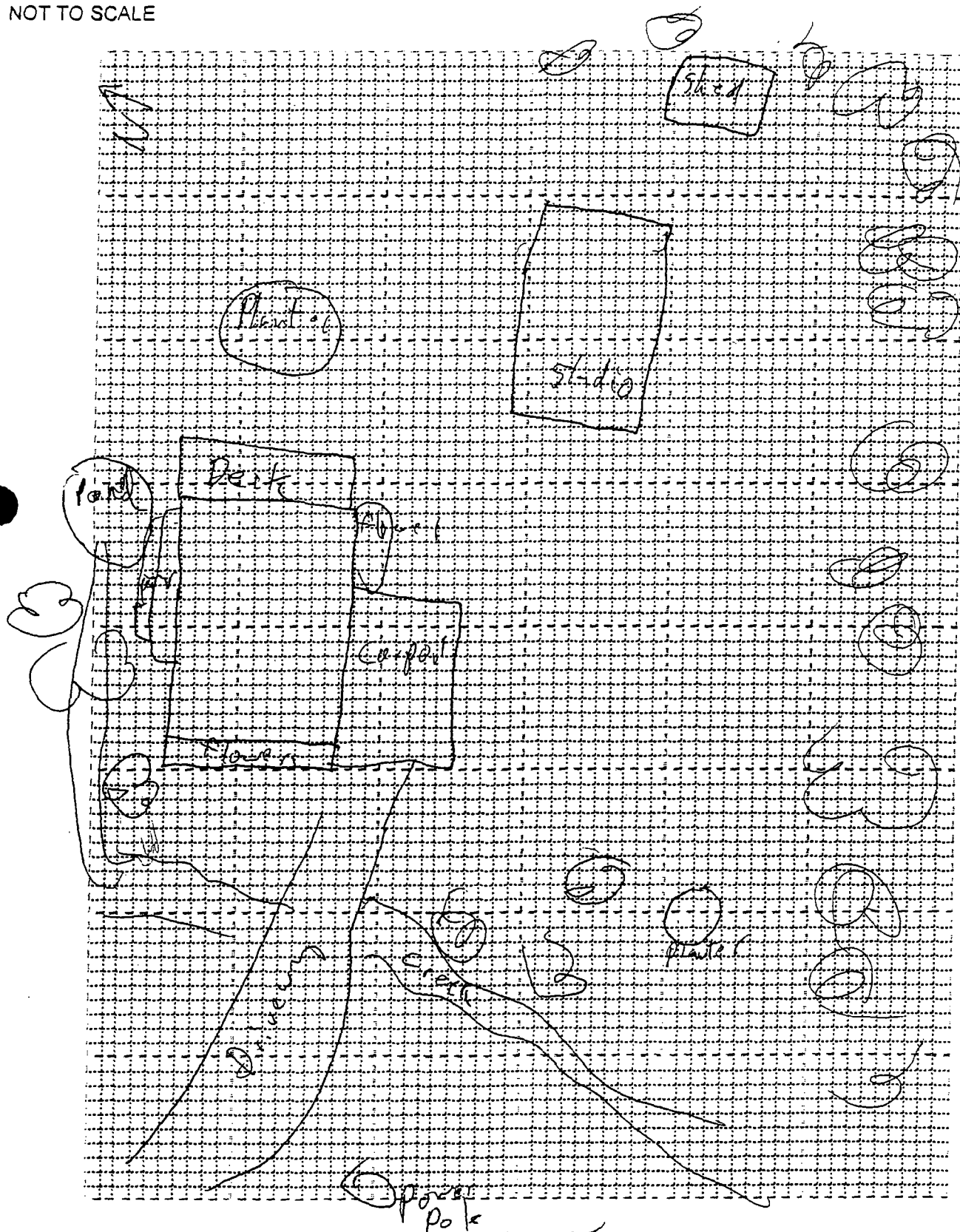
Address: 143 Crossway Ave

BD# 02869

FIELD DIAGRAM OF PROPERTY

Identify important features (i.e. drainage, trees, gardens, structures, flowerbeds, utility poles, known underground utilities, suspected Libby amphibole source areas, sample locations, etc). Include north arrow.

NOT TO SCALE



SUPPLEMENTAL INFORMATION FIELD FORM (continued)

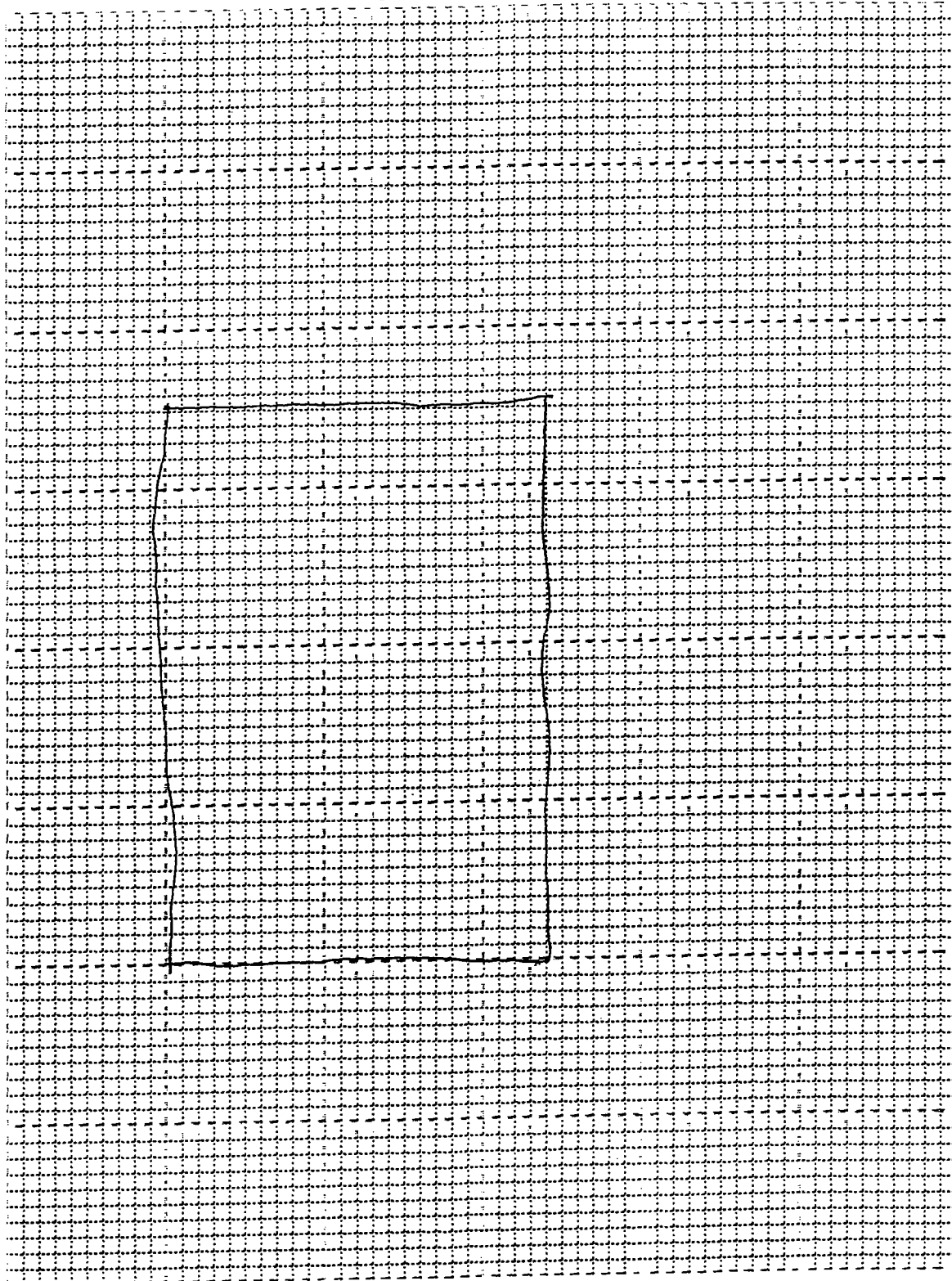
Address: 143 Crossing Ave

BD# 002960
AC 1002

FIELD DIAGRAM OF PRIMARY STRUCTURE

include approximate dimensions of attic. Use more than one diagram if needed. Completed only if ZAI is present.

Scale: 1/10" = 1 foot



110 Location 143 CROSSWAY AVE Date 9/7/01

Project / Client DOT / VOLPE

SULLIVAN ; REAC9701

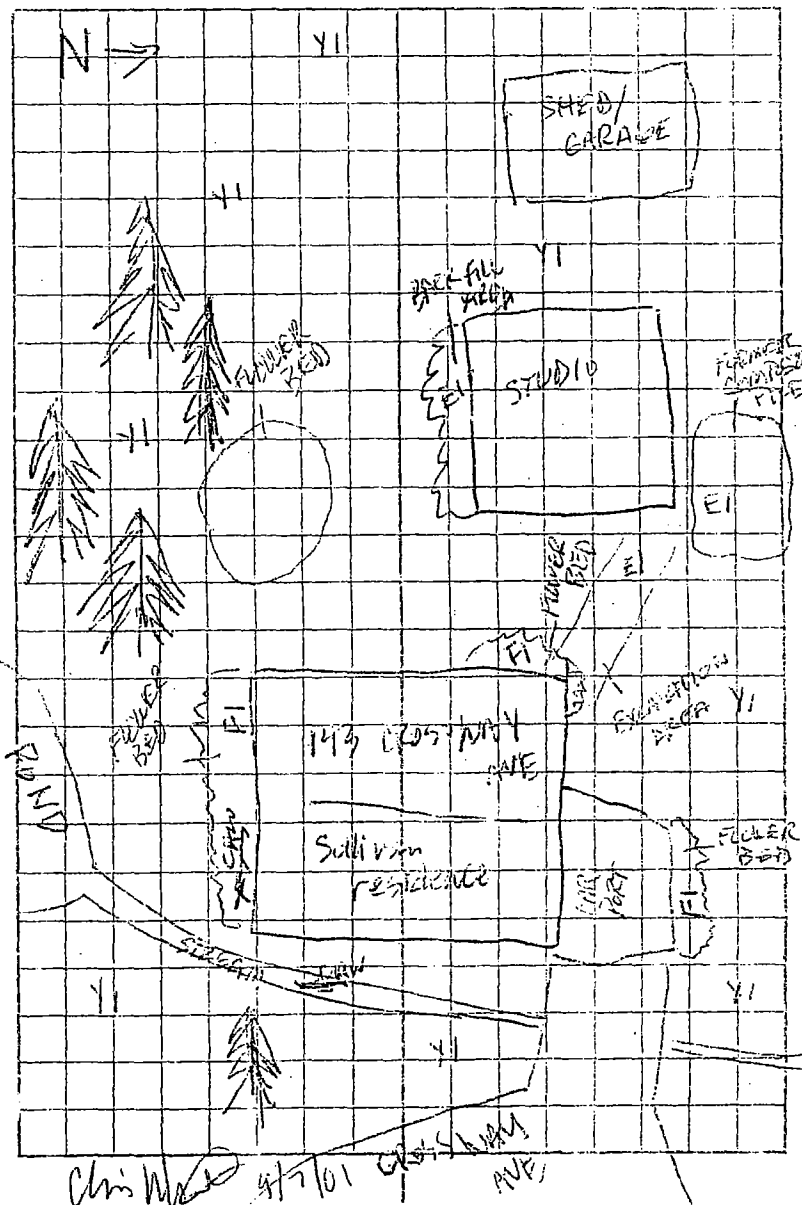
- 1230 ARIVE AT 143 CROSSWAY AVE AND
MEET WITH THE SULLIVANS 67° PARTLY
CLOUDY LEVEL C. PPE THE AREAS OF
CONCERN ARE FLOWER BEDS, THE NORTHERN
PORTION OF THE YARD AND A FORMER
COMPOST PILE WHICH IS NOW BEING USED
1 TO BACK FILL EXCAVATIONS ON THE PROPERTY
- 1300 COLLECT 8 POINT COMPOSITE 1-03745
1 0"-4" FROM YARD TRACE VERMICULITE
0 VISIBLE IN NORTHERN YARD AREA
- 1305 COLLECT 3 POINT COMPOSITE 1-03746
1 0"-4" FROM ^{RAW} NO VISIBLE
0 VERMICULITE FROM EXCAVATION, FILL, COMPOST ARE
- 1310 COLLECT 3 POINT COMPOSITE 1-03747
1 0"-4" FROM VERMICULITE
VISIBLE FROM FLOWER BEDS
- 1350 GPS POINTS WILL BE TAKEN AT ALL THE
APPROXIMATE SAMPLE LOCATIONS

Chris W. [Signature]
9/7/01

Location 143 CROSSWAY AVE Date 9/7/01 111

Project / Client DOT / VOLPE

SULLIVAN ; REAC9701



138 Location 143 Crossway Ave Date 2/15/02

Project / Client Ref. no. 136.

Mr R¹⁰

1320 Field team onsite. Kathie and Gordon Sullivan - Owner - present. Visible vermiculite present on floor of 2nd level. Vermiculite falling out of ceiling. Vermiculite present in walls and crawlspace. Vermiculite present in yard and flower beds. Phase I BIFF 00204 completed. Resident operated photography business out of home. $\approx 541 \text{ ft}^3$ estimated in attic.

1340 1-05771 Ref. FSDS A-000788, 789.

1352 1-05772

1359 1-05773

1412	1-05774	Collected.
------	---------	------------

1428 1-05775

1443 i-05776

All samples sealed, placed under CoC.

Blanks for 2/15/02 ref FSUS D. 000744,785

Ref. CoC's 002397, 1385, 86, 87, 88.

Blanks 1-05787, 88, 1-05996, 97, 98.

1450 Offs, te

2/15/02

12

Location _____ Date _____

139

Project / Client _____

138

Cathy Sullivan

BD-002969

Location

143 Crossway Ave

Date

10-23-02

Project / Client

Libby Asbestos / EPA / Udpe

115 Arrive on site (Photo)

BD- 002969

Due to heavy frost, I was unable
to determine if vermiculite was
present outdoors
vermiculite in attic, walls, and basement
Departed 1000

MC 102302

no other
m. to
total

Property Group (Location)	Sample ID	Parent ID	Sample Date	Field Sample Data Sheet Number	Logbook Number	Media Type	Matrix	Category	Location ID	Sample Group	Location Description (Sub Location)	Type (Grab or Composite)	Number of Subsamples	Sample Top Depth (inches below ground surface)	Sample Bottom Depth (inches below ground surface)	Field Comments	PLM			
																	Method	LA Bin	LA (%)	C (%)
143 Crossway Ave	1-03745		9/7/2001		100027	Soil-Like	Surface Soil	Field Sample	SP-105385	Yard	yard soil	Composite	8	0	4	GPS taken; Trace vermiculite visible in northern yard area	PLM-9002	A	ND	ND
143 Crossway Ave	1-03746		9/7/2001		100027	Soil-Like	Surface Soil	Field Sample	SP-105386	House	excavation fill & compost area	Composite	3	0	4	GPS taken; No visible vermiculite in fill, compost, excavation area	PLM-9002	A	ND	ND
143 Crossway Ave	1-03747		9/7/2001		100027	Soil-Like	Surface Soil	Field Sample	SP-105387	Flowerbed	flower beds	Composite	3	0	4	GPS taken; Visible vermiculite in flower beds	PLM-9002	B	< 1	ND
143 Crossway Ave	1R-20631		6/13/2003		100212	Soil-Like	Surface Soil	Field Sample	SP-121481	Yard/Flower Bed	North side of house	Composite	5	0	2	Trace vermiculite observed	PLM-9002	B2	< 1	ND
143 Crossway Ave	1R-20632		6/13/2003		100212	Soil-Like	Surface Soil	Field Sample	SP-121482	Yard/Flower Bed	East/Rear of house + NE flowerbed	Composite	5	0	2	Trace vermiculite observed	PLM-9002	A	ND	ND
143 Crossway Ave	1R-20633-B		6/16/2003		100212	Soil-Like	Surface Soil	Field Sample	SP-121483	Yard	Yard on south side of house	Composite	5	0	2	Vermiculite seen	PLM-9002	A	ND	ND
143 Crossway Ave	1R-20634-B		6/16/2003		100212	Soil-Like	Surface Soil	Field Sample	SP-121484	Flowerbed	South rock flower bed & block flower bed in front	Composite	5	0	2	in front of house; No vermiculite observed	PLM-9002	A	ND	ND
143 Crossway Ave	1R-20652-B		7/8/2003		100212	Soil-Like	Surface Soil	Field Sample	SP-121501	Yard	Yard south of new driveway	Grab	0	0	3	Visible vermiculite	PLM-9002	B2	< 1	ND
143 Crossway Ave	CS-10090-FG1	1-03745	9/7/2001		100027	Soil-Like	Surface Soil	Field Split	SP-105385	Yard	yard soil	Composite	8	0	4	GPS taken; Trace vermiculite visible in northern yard area	PLM-VE	A	ND	ND
143 Crossway Ave	CS-10091-FG1	1-03746	9/7/2001		100027	Soil-Like	Surface Soil	Field Split	SP-105386	House	excavation fill & compost area	Composite	3	0	4	GPS taken; No visible vermiculite in fill, compost, excavation area	PLM-VE	A	ND	ND
143 Crossway Ave	CS-10092-FG1	1-03747	9/7/2001		100027	Soil-Like	Surface Soil	Field Split	SP-105387	Flowerbed	flower beds	Composite	3	0	4	GPS taken; Visible vermiculite in flower beds	PLM-VE	B2	< 1	ND
143 Crossway Ave	CS-11727-C		4/28/2003		100167	Soil-Like	Surface Soil	Field Sample	SP-121046	Driveway	Driveway	Composite	5	0	6	BD-002969; No vermiculite observed in sample	PLM-Grav	A	ND	ND
143 Crossway Ave	CS-11727-FG		4/28/2003		100167	Soil-Like	Surface Soil	Field Sample	SP-121046	Driveway	Driveway	Composite	5	0	6	BD-002969; No vermiculite observed in sample	PLM-VE	A	ND	ND
143 Crossway Ave	CS-11728-FG		4/28/2003		100167	Soil-Like	Surface Soil	Field Sample	SP-121047	Flowerbed	Front, side yard	Composite	5	0	1	BD-002969; No vermiculite observed in sample	PLM-VE	B1	TR	ND

Server-Database: \\204.47.48.36\Libby2

Property Group (Location)	Sample ID	Parent ID	Sample Date	Field Sample Data Sheet	Logbook Number	Media Type	Sample Type	Matrix	Category	Location ID	Sample Group	Location Description (Sub Location)	Field Comments	SSM (last 4 digits)	Scenario	Task	Pre Post Clear	Vol (Air/L) or Area	Gold Open ings	Filter Status Not Analyzed	ISO Concentration (Air+Dust) (Method - ISO 19812)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
																					Libby Amphibole (LA)												Chrysotile (C)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
																					Excluded Structures						Structures Detected						Excluded Structures						Structures Detected																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
																					Aspect Ratio < 5:1	Length < 0.5 u	Dia-meter > 0.5u	Length 0.5 to 5 u	Length 5 to 10 u	Length > 10 u	Total Conc. LA	Total Count LA	Aspect Ratio < 5:1	Length < 0.5 u	Dia-meter > 0.5u	Length 0.5 to 5 u	Length 5 to 10 u	Length > 10 u	Total Conc. C	Total Count C	Aspect Ratio < 5:1	Length < 0.5 u	Dia-meter > 0.5u	Length 0.5 to 5 u	Length 5 to 10 u	Length > 10 u	Total Conc. OA	Total Count OA																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
143 Crossway Ave	1-05771		2/15/2002		100022	Dust		Building	Field Sample	AD-000311	House	Kitchen	Top of fridge, Window sill over sink, Carpet by back door		N/A		N/A	300	10		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Note: The report excludes all results, such as those associated with Lab Blanks, Lab Duplicates, Re-Preparation, Re-count Same, Re-count Different, Verified Analysis

Note: The report excludes all results, such as those associated with Lab Blanks, Lab Duplicates, Re-Preparation, Re-count Same, Re-count Different, Verified Analysis																																				
Property Group (Location)	Sample ID	Parent ID	Sample Date	Field Sample Data Sheet Number	Logbook Number	Media Type	Sample Type	Matrix	Category	Location ID	Sample Group	Location Description (Sub Location)	Field Comments	SSN (last 4 digits)	Scenario	Task	Pre Post Clear	Vol (Air=L) or Area (Dust=cm²)	PCM (METHOD - NIOSH 7400)	AHERA / ASTM 6759																
																			Fiber/Status Non Analyzed	Libby Amphiboles (Lb)		Chrysotile (C)		Other Amphiboles (OA)		Total Asbestos										
																				Analytical Sensitivity (Air = Sacc) or (Dust = Sccm³)	Asb conc (Air = Sacc) or (Dust = Sccm³)	Analytical Sensitivity (Air = Sacc) or (Dust = Sccm³)	Asb conc (Air = Sacc) or (Dust = Sccm³)	Analytical Sensitivity (Air = Sacc) or (Dust = Sccm³)	Asb conc (Air = Sacc) or (Dust = Sccm³)	Asbestos Type Identified	S<5u	S>5u	Asb conc (Air = Sacc) or (Dust = Sccm³)	S<5u	S>5u	Asb conc (Air = Sacc) or (Dust = Sccm³)				
143 Crossway Ave	CE-00004		12/8/2003	PA-000023	100301	Air	Personal	Indoor	Field Sample	BO-002969	House	Shoulder	Lot #: 32415; See activity log CE-00005 sample period 12/10, 12/9, 12/8; Lot # 32415; See activity log CE-00006 sample period 12/10, 12/9, 12/8; Lot # 32415; See activity log		N/A	Post Clean-up Evaluation	N/A	1962			0	0	0.00015	< 0.00015	0	0	0.00015	< 0.00015	0	0	0.00015	< 0.00015		0	0	< 0.00015
143 Crossway Ave	CE-00005		12/8/2003	SA-000121	100301	Air	Stationary	Indoor	Field Sample	BO-002969	House	Dining room			N/A		N/A	7231			1	0	0.00015	0.00015	0	0	0.00015	< 0.00015	0	0	0.00015	< 0.00015		1	0	0.00015
143 Crossway Ave	CE-00006		12/8/2003	SA-000122	100301	Air	Stationary	Indoor	Field Sample	BO-002969	House	2nd level; master bedroom; doorway			N/A		N/A	7246			0	0	0.00015	< 0.00015	0	0	0.00015	< 0.00015	0	0	0.00015	< 0.00015		0	0	< 0.00015
143 Crossway Ave	CE-00007		12/9/2003	PA-000026	100301	Air	Personal	Indoor	Field Sample	BO-002969	House	Shoulder	CE-00007 sample period 12/9, & 12/10; Lot # 32415; See activity log		N/A	Post Clean-up Evaluation	N/A	3194			0	0	0.00015	< 0.00015	0	0	0.00015	< 0.00015	0	0	0.00015	< 0.00015		0	0	< 0.00015
143 Crossway Ave	CE-00008		12/10/2003	SA-000128	100301	Air	Stationary	N/A	Field Blank	BO-002969	Blank	NA			N/A		N/A				0	0			0	0			0	0				0	0	
143 Crossway Ave	CE-00009		12/10/2003	D-000069	100301	Dust		Horizontal	Field Sample	BO-002969	House	Ground floor & 2nd floor	lot # 23802; 100cm2- Ground level, front room on fire place; 100cm2- Ground level hallway floor; 100cm2- 2nd level hallway floor; 100cm2- 2nd level office, top of wall mount heater. See activity log		N/A		N/A	400			0	0	415	< 415	0	0	415	< 415	0	0	415	< 415		0	0	< 415



Section Three

LIBBY ASBESTOS PROJECT

Supplemental Interior Inspection Checklist (SIIC)

Field Logbook No.: 100164 Page No.: 108 Site Visit Date: 03/04/03
 BD Number: 002969
 Address: 143 CROSSWAY AVE Structure Description: House
 Occupant: Cathie Sullivan Phone Number: 293-8496
 Owner (If different than occupant): _____ Phone Number: _____
 Investigation Team: Paul O'Brien and Brian Dalton
 SIIC Check Completed by (100% of forms): _____

Data Item	Value	Comments
GENERAL DESCRIPTION		
Type of attic	<u>Finished</u> Unfinished	
Attic ceilings	Attics within attics <u>None</u> Other: _____	
Location of attic entries	Outside <u>Inside</u> None	Sketch location(s) on attached map
Number of attic entries	<u>1</u> 2 3 Other: _____	
Type of entry	Door Removable panel <u>Stairs</u> Other: _____	
Size of each attic entry	1: <u>5' x 7'</u> 2: _____ 3: _____ Other: _____	Add additional information at end of SIIC

26

Data Item	Value	Comments
Attic vents	Number of vents: <u>2</u>	Briefly describe and sketch on attached map <i>North and South End 8" x 8"</i>
FINISHED ATTICS		
Kneewalls present?	<input checked="" type="radio"/> Yes No NA	Sketch location(s) on attached map
Can all areas behind kneewalls be accessed?	<input checked="" type="radio"/> Yes No NA	
Number of access to areas behind kneewalls	Number: <u>4</u> Type: <u>Door, panel, open</u>	
Attic floor joist size	<u>2</u> in x <u>6</u> in	
Attic floor joist spacing	<u>24</u> in	
Flooring in finished attic	<input checked="" type="radio"/> Tongue and groove Plywood <input checked="" type="radio"/> Carpet Linoleum None Other: _____	Entire area or <input checked="" type="radio"/> Partial area
Flooring behind kneewalls	<input checked="" type="radio"/> Tongue and groove Plywood Carpet Linoleum None Other: _____	<input checked="" type="radio"/> Entire area or Partial area
Is finished attic furnished?	<input checked="" type="radio"/> Yes No NA	Brief description: <i>Bedroom Furniture office material storage items</i>

Data Item	Value	Comments
Items stored in area behind kneewalls:	<u>Yes</u> No NA	Brief description: <i>office boxes</i> <i>Household Items</i>
Items in contact with VCI?	<u>Yes</u> No NA	Brief description: <i>Household Items</i> <i>boxes furniture</i> <i>etc</i>
Ceiling material in finished area	Plaster/Lathe <u>Sheetrock</u> Other: _____	
Ceiling construction in finished area	<u>Drop Ceiling</u> Cathedral Other: _____	
General condition of ceiling	<u>Good</u> Poor NA	
Kneewall material	Plaster/Lathe <u>Sheetrock</u> Wood Paneling Other: <i>Concrete and stone</i>	
Wall finish	<u>Paint</u> Wall paper Plywood Other: _____	
General condition of walls	<u>Good</u> Poor	

Data Item	Value	Comments
UNFINISHED ATTIC		
Can all areas in attic be accessed?	Yes No NA	
Are any areas in attic segregated into individual rooms?	Yes No NA	Brief description:
Number, size, and type of entries between rooms if applicable		
Attic floor joist size	_____ in x _____ in	
Attic floor joist spacing	_____ in	
Flooring in attic above joists	Tongue and groove Plywood None (open joists) Other: _____	Entire area or Partial area
Flooring in attic below joists	Brief description:	
Items stored in attic?	Yes No NA	Brief description:
Items in contact with VCI?	Yes No NA	Brief description:
GENERAL CONDITION OF ATTIC		
Evidence of physical damage	Yes <u>No</u>	Sketch location(s) on attached map
Evidence of water damage	<u>Yes</u> No	Sketch location(s) on attached map <u>upstairs Bedroom ceiling</u>

Data Item	Value	Comments
Structural condition of roof	<u>Good</u> Poor	
Structural condition of roof rafters	<u>Good</u> Poor	
Structural condition of floor joists	<u>Good</u> Poor	
Structural condition of chimney	<u>Good</u> Poor NA	
Any other structural concerns?	<i>None</i>	
<u>LIVING SPACE ASSESSMENT</u>		
Describe: Number/type of rooms in building. Furnished/Unfurnished. Special concerns.	<i>1 Bath 1 Pains Room</i> <i>3 Bedrooms</i> <i>1 Living Room (doubles as a photo studio)</i> <i>Neat</i> <i>1 Dining Room</i> <i>old or lg</i> <i>1 Kitchen</i>	
Ceiling cracks as viewed from living space?	Yes <u>No</u>	
Utility conduits in attic leading to living space and/or understructure?	<u>Yes</u> No Type: Electrical HVAC Plumbing Other: <i>Chimney</i>	Sketch location(s) on attached map and note gaps if present:
If yes, VCI observed around conduits?	No Living space <u>Understructure</u> Other _____	Location: <i>Chimney</i>
<u>ELECTRICAL SYSTEM</u>		
Electrical wire in attic	<u>Yes</u> No	

Data Item	Value	Comments
Type of electrical wiring	Bare (with insulators) Insulation type: Cloth Plastic <u>Both</u> Ceramic	
Electrical Outlets/Switches in attic	<u>Yes</u> No	Working condition: <u>yes</u>
Electrical shutoff system	<u>Breaker box</u> Fuse box Other: _____	Location: <u>west wall outside</u>
MECHANICAL SYSTEMS		
Plumbing in attic	Yes <u>No</u>	
HVAC in attic	<u>Yes</u> No	
Could above items interfere with removal activities?	<u>No</u>	
Heating system	<u>Fuel oil</u> - Backup Electric Propane <u>Wgpd stove</u> - main Other: _____	<u>Both on a lot in cold spurts</u>
Heating type	<u>Forced air</u> Radiant heat	
Methods to shut down heating system	<u>Yes</u> No	Describe: <u>Breaker Box west wall outside</u>
PLUMBING SYSTEMS		
Water source	City <u>Well</u> Other: _____	Contractor able to use water for removal activity? <u>yes</u>
Type of water heater	<u>Electric</u> Propane Other: _____	

Data Item	Value	Comments
LOCATION AND QUANTITY OF VERMICULITE		
VCI in attic	<input checked="" type="radio"/> Yes No	
VCI in above attic Finished attics only	<input checked="" type="radio"/> Yes No NA	
Depth of VCI in attic	<u>4-6</u> inches	
Square footage of area with VCI	<u>1,316</u> square feet	
Other insulation in attic	Yes <input checked="" type="radio"/> No	Type: Fiberglass Cellulose Other: _____
VCI in interior walls	<input checked="" type="radio"/> Yes No Unknown	
VCI in exterior walls	<input checked="" type="radio"/> Yes No Unknown	
Other insulation in walls	Yes <input checked="" type="radio"/> No Unknown	Type: Fiberglass Cellulose Other: _____
Is other insulation in contact with VCI?	Yes <input checked="" type="radio"/> No	
Is VCI leaking into living space?	<input checked="" type="radio"/> Yes No	Rooms: <u>Laundry Room light</u> <u>Piano Room light</u> <u>South Laundry Room window and</u> <u>Register</u>
Is VCI visible in HVAC registers?	<input checked="" type="radio"/> Yes <input checked="" type="radio"/> No NA <u>2nd</u> <u>20103</u>	<u>South Laundry Room</u>
VCI present in understructure?	<input checked="" type="radio"/> Yes No	Description: <u>Electrical conduits</u> <u>HVAC conduit, conduits in</u> <u>General</u>
Evidence of vermiculite used in building materials?	Yes <input checked="" type="radio"/> No	
UNDERSTRUCTURE		
Type of understructure	<input checked="" type="radio"/> Basement Crawlspace None	<u>partial, small Basement</u>
Access to understructure	<input checked="" type="radio"/> Yes No	Location: <u>Between Backdoor and</u> <u>Laundry Room</u>

PHOTO LOG

1. VCI on closet carpeting of 2nd level
2. VCI around window frame in laundry room
3. 2nd level walkway
4. storage items - 2nd level closet
5. East side of house
6. VCI around outside heaves
7. Studio and shed
8. north side of house
9. attic interior (view from N)
10. west side of house

ADDITIONAL INFORMATION

- VCI noted in Laundry Room: Light Fixture, South window frame and South Register.

- VCI in Exterior and Interior walls. - VCI in basement around conduits. - VCI in Piano Room Light Fixture.

VCI noted in Finished Attic Ceiling, Floors, Knobs and Walls. NO Dust Samples For Garage and New building In progress do to small traces of VCI noted on Floor in various areas.

VCI visible outside house along chimney and perimeter heaves.

The northernmost portion of the finished attic ceiling contains only remnants of VCI, approx 8' to the ^{PO 03/04/03} ~~back~~ south of the home's southern wall PO 03/04/03

The southernmost portion of the finished attic ceiling also contains only remnants.

- The VCI is 4-6" thick in the designated areas on the diagram.



CDM FEDERAL PROGRAMS CORPORATION
a subsidiary of Camp Dresser & McKee Inc.

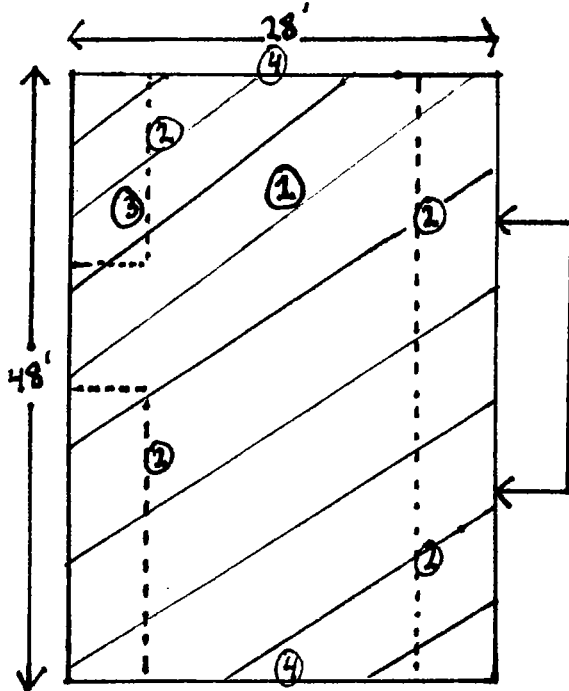
PROJECT _____ JOB NO. _____ DATE _____
COMPUTED BY _____ CHECKED BY _____ DATE CHECKED _____
CLIENT _____ PAGE NO. _____

143 Crossway Ave.

SHC 000080 03/04/03

HOUSE

N ↓



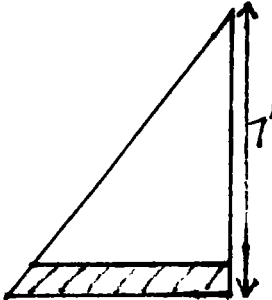
- ① Stairs to Attic
- ② Kneewall Entry
- ③ Chimney
- ④ Air Vents

/// VCI

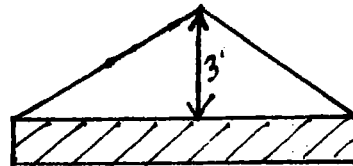
--- Kneewall Boundary

→ Within this area, VCI is 4-6" thick
between joists in finished attic ceiling

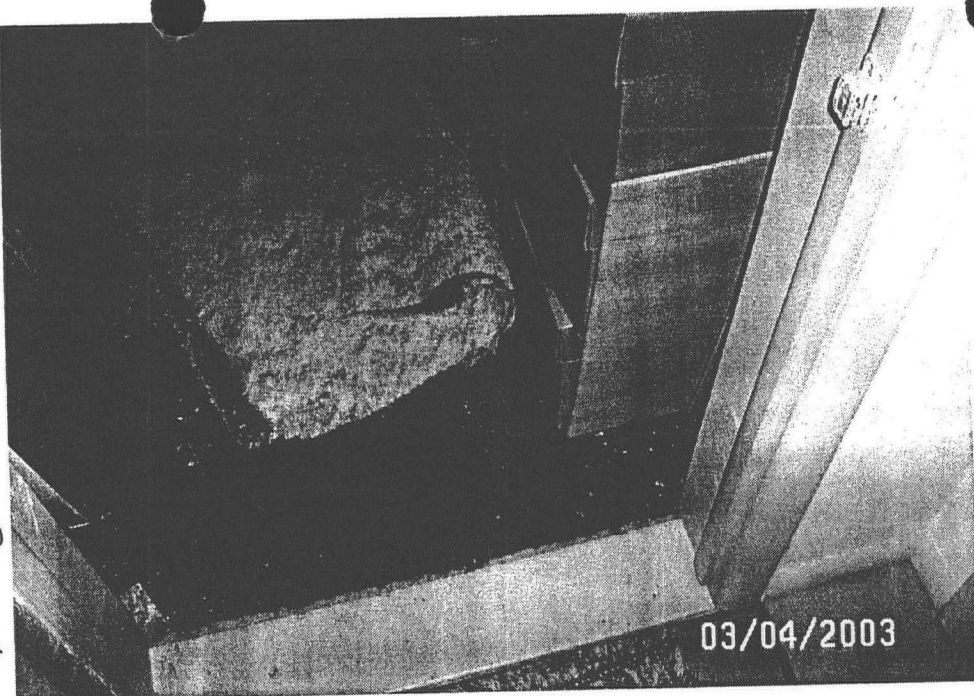
Kneewall Area



Attic Within Attic



1.



173 LFOJway

Page 10 of 12

2



4.



CCCCC

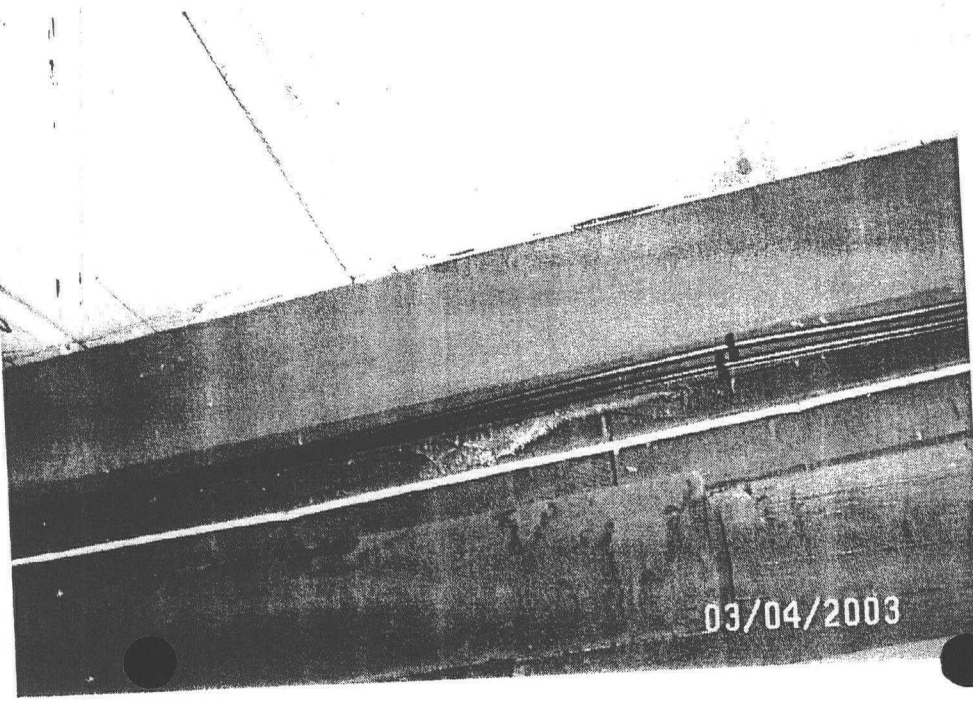
000080

5.



6.

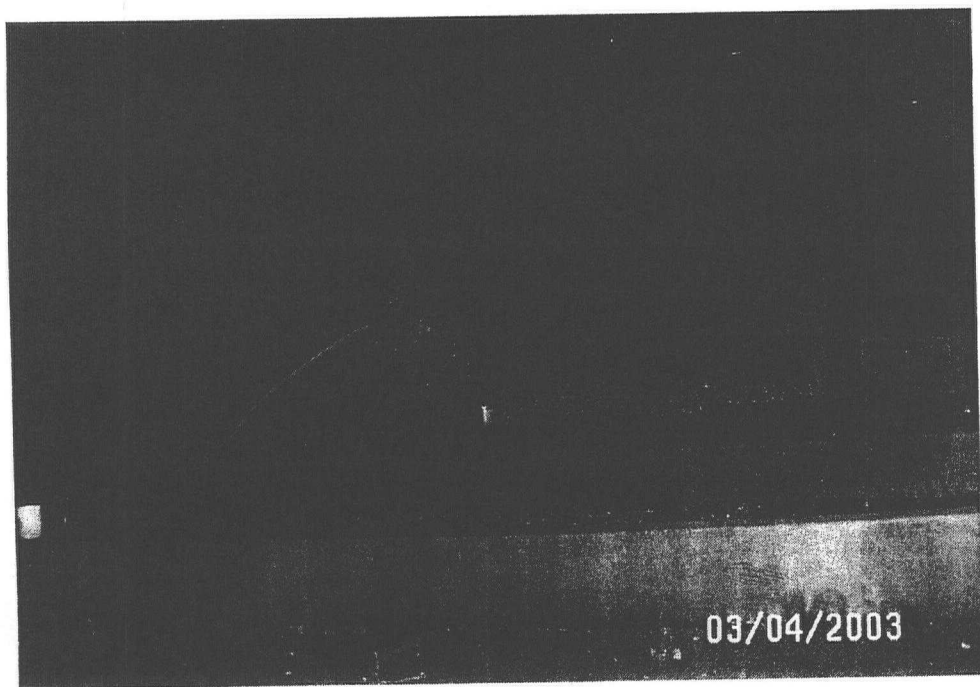
143 Crossway Ave



8.

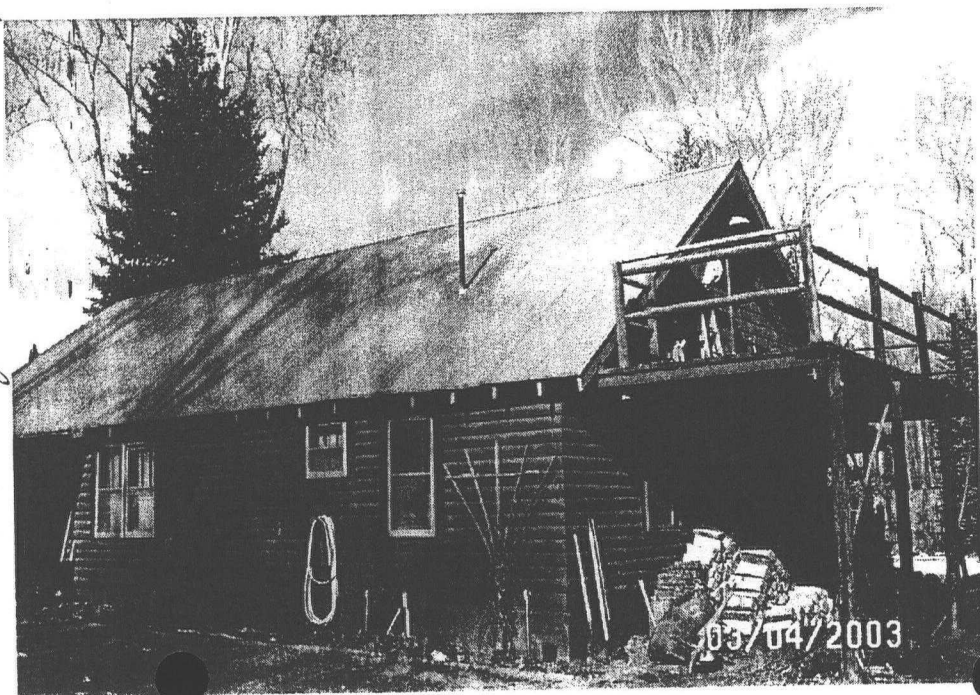


9.



10.

143 Crossway Tr



Don. 11 25 19

102

Location 143 Crossway Ave Date 03/04/03Project / Client Libby Abbot, EPA/Volpe Region 8BD-502969 SLIC 000080 Sullivan residence

1400: Arrive at 143 Crossway Ave. to perform an interior design inspection and to complete a SLIC. Author: Paul Opem, weather: 30.5°F, sunshine. Team: Paul Opem, Bion Dalton. PPE: Level C attire entry. An inspection of the home's interior, including the attic, is completed. VCI is present in the upstairs ceiling, the ceiling above the 1st Fl, and in the exterior and interior walls. VCI is also present in the living space on all levels - in alcoves around basement conduits; main level (ground) in most light fixtures, on second level carpet, main level window sill/frame in laundry room. The SLIC contains more detailed information regarding contaminated living space. The detached studio and also the shed were inspected, and very fine VCI is visible on flooring around the entryway of each and the steps immediately inside the studio. No dust samples were taken inside the outbuildings as a result. No dust samples needed inside the home. Photos were taken of the home's interior and exterior, and of the studio and shed (refer to SLIC for details). Depart 143 Crossway Ave. at 1543.

03/04/03

Paul Opem

LIBBY ASBESTOS PROJECT

Exterior Inspection Checklist (EIC)

Field Logbook No.: 100167 Page No.: 21 Site Visit Date: 04-28-03AD Number: NAAddress: 143 CROSSWAY AVE Associated BD Number(s): 002969Occupant: Cathie & Gordon Sullivan Phone Number: 293-8486

Owner (If different than occupant): _____ Phone Number: _____

Investigation Team: Paul Opean & Brian DaltonField Form Check Completed by (100% of forms): [Signature]

Data Item	Value	Comments
GENERAL INFORMATION		
Visible vermiculite on property?	<input checked="" type="radio"/> Yes No	Location: <u>Flowerbeds</u> <u>(see sketch)</u>
Vegetation on lawn contaminated area only	Grass Gravel mix Other <u>Top So. 1</u> → <u>Bark, Potting Soil</u> None	
Trees within contaminated area?	Yes <input checked="" type="radio"/> No	Type and caliper:
Shrubs within contaminated area?	<input checked="" type="radio"/> Yes No	Type and size: <u>1" Cedar</u> <u>1" Thorn Bush</u>
Secondary structures on property?	<input checked="" type="radio"/> Shed <input checked="" type="radio"/> Deck <input checked="" type="radio"/> Carport Other <u>Studio</u>	

Data Item	Value	Comments
2. Evidence of contamination beneath secondary structures?	Yes <u>No</u> NA	Explain:
Items located on contaminated area?	<u>Yes</u> No NA	Explain: Wood - For stove Planks Picket Fence Chicken wire Fuel TANK
Fence present within contaminated area?	<u>Yes</u> No <u>Partial</u>	Type: Picket and chicken wire Illustrate on sketch.
FLOWERBED		
3. Number of flowerbeds on property that have visible vermiculite in soil?	4-28-03 9	Illustrate on sketch.
Flowerbed contain flowers or plants?	<u>Yes</u> No	Brief description of type(s): Tulips Purple Long Flower Lobelia
GARDEN		
4. Number of gardens on property that have visible vermiculite in soil	NA	Illustrate on sketch.
Garden contain crops?	Yes No NA	
DRIVEWAY		
Type of driveway	Concrete <u>Gravel</u> Asphalt Soil None Other _____	Sampled today, waiting on Results

Data Item	Value	Comments
5. Analytical results confirm contamination in driveway? Only applies to gravel or soil driveways.	Yes No <u>NA</u>	Driveway Sampled Today Waiting on Results
6. Evidence of vermiculite under driveway? Only applies to concrete or asphalt driveways.	Yes - Encapsulated Yes - Exposed No <u>NA</u>	
Complete following only if driveway is contaminated or vermiculite is exposed.		
Approximate length	Feet _____	
Approximate width	Feet _____	
Approximate depth	<u>NA</u> Inches _____	
Any driveway borders?	Railroad ties Brick Drain/Gutter Other _____ Flowerbed	
<u>SIDEWALKS</u>		
Type of sidewalk	Concrete Gravel Asphalt <u>None</u> Other _____	
7. Evidence of vermiculite under sidewalk? Only applies to concrete or asphalt sidewalks.	Yes - Encapsulated Yes - Exposed No <u>NA</u>	
Complete following only if vermiculite is exposed in sidewalk.		
Approximate length	Feet _____	
Approximate width	Feet _____ <u>NA</u>	
Approximate depth	inches _____	
Any sidewalk borders?	Railroad ties Brick Drain/Gutter Other _____ Flowerbed	

Data Item	Value	Comments
UTILITIES		
<i>Note: Removal contractor must schedule a utility clearance meeting prior to excavation.</i>		
Water supply	<u>Well</u> City Water Other _____	
Wastewater	<u>Septic System</u> City Sewage Other _____	See sketch for location of underground utilities going to studio.
Electrical	<u>Underground</u> <u>Overhead</u> Other _____	
Phone	<u>Underground</u> <u>Overhead</u> Other _____	
Cable television	Underground <u>Overhead</u> Other _____	
Heating oil tank	<u>Yes</u> No	
Other utilities not listed		
OTHER		
Visible vermiculite in flower pots/hanging baskets?	Yes <u>No</u> NA	
Is property used for commercial purposes?	Yes <u>No</u>	
Does owner have outdoor pets?	<u>Yes</u> No	Cat And Dog
Evidence of fill material imported on property?	<u>Yes</u> No	Illustrate on sketch. Excavation for pavers, swags etc.

Data Item	Value	Comments
DESIGN SAMPLING		
Design sampling necessary?	Yes - Number of samples collected to establish cut lines _____	
8. CSS - samples collected in driveway and 2 flower beds - all NO	<u>No - Cut lines delineated</u>	All CSS & reground samples are NO
	Other _____	
	Illustrate all supplemental sampling locations on sketch	

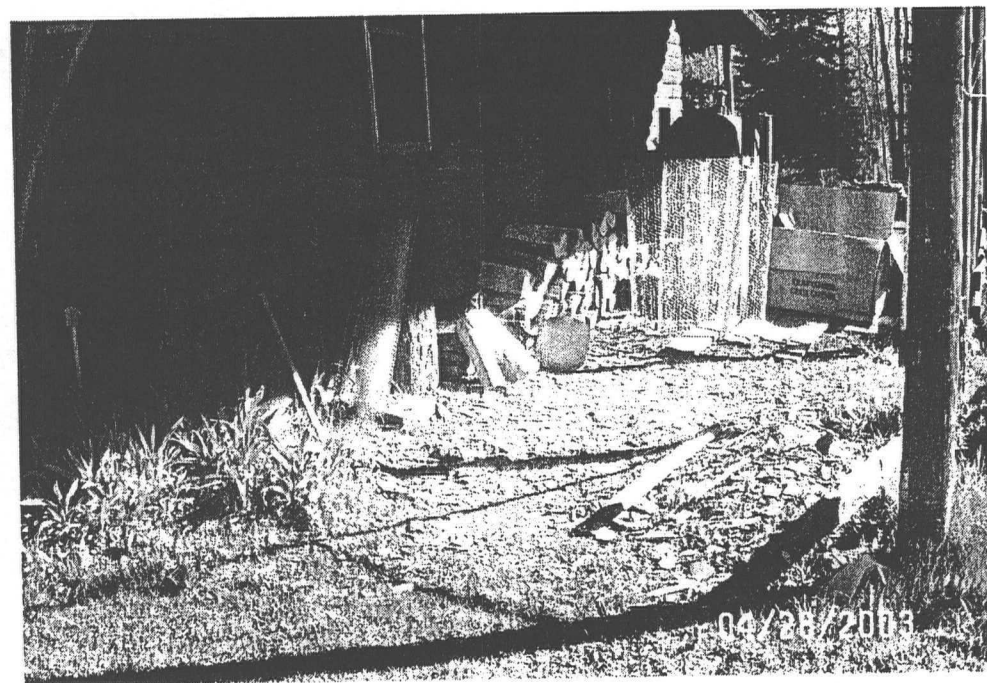
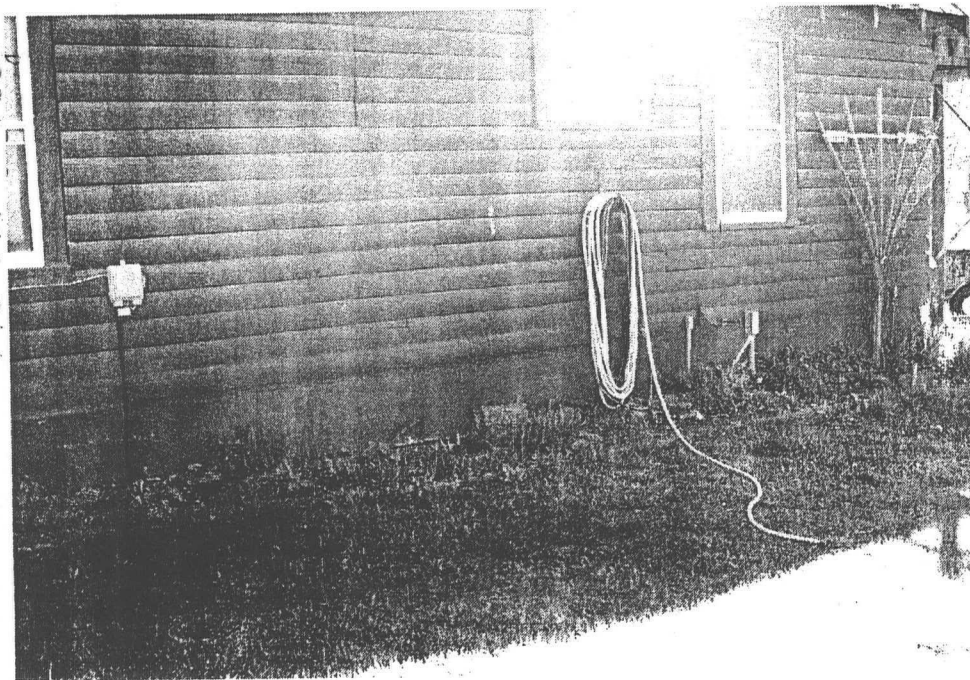
PHOTO LOG

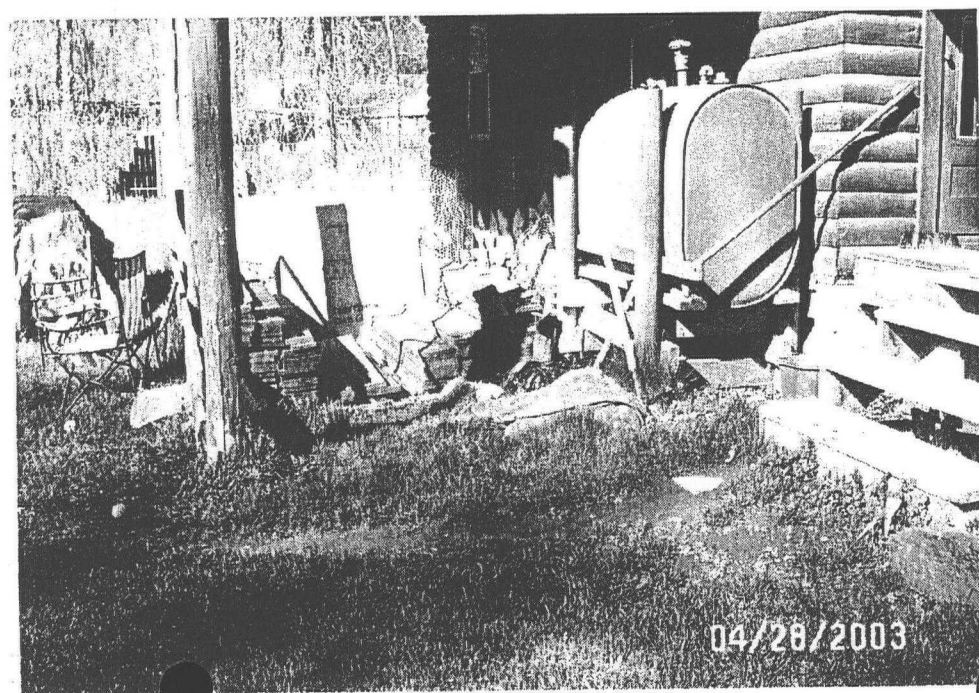
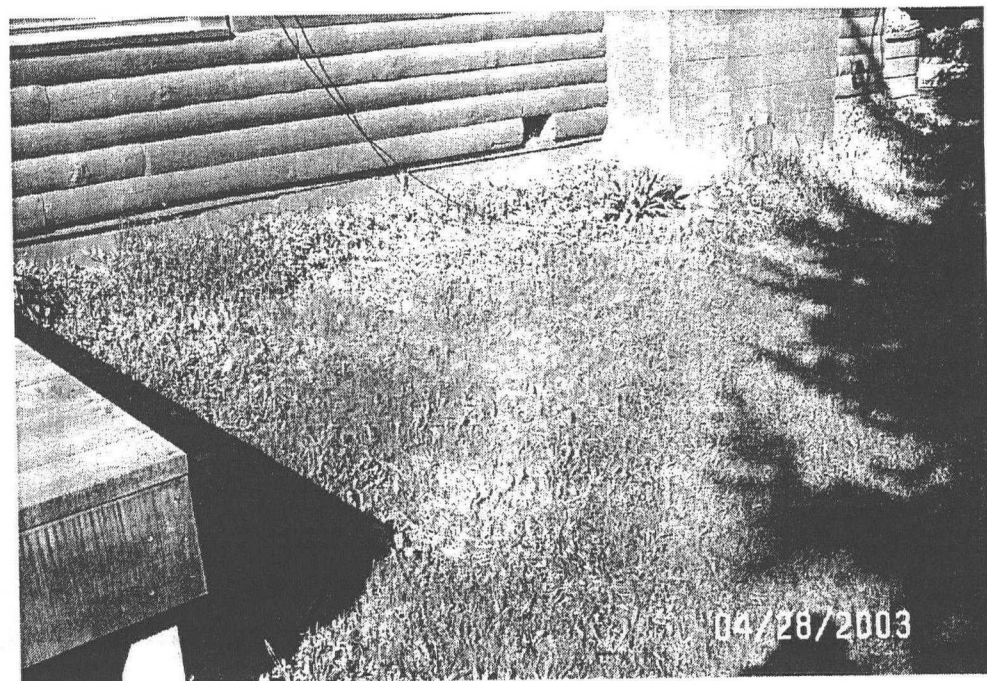
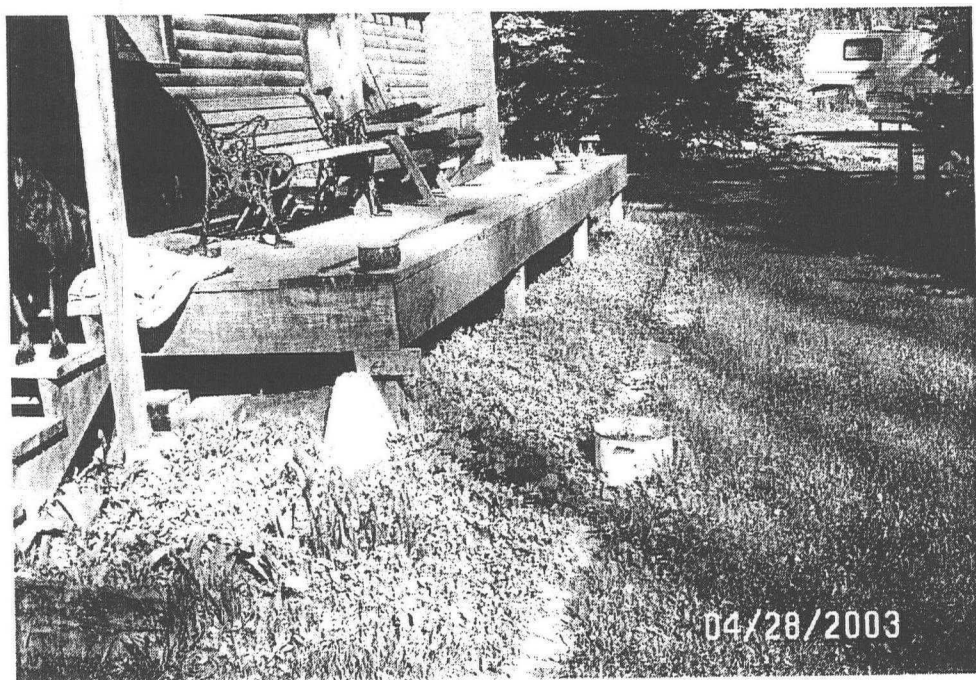
- ① Flower bed # 3 (see sketch) East Side of house
- ② Picket Fence, Flowerbed # 1 East Side of house
- ③ Old Flowerbed # 4 - woodpile, boards, chicken wire and fuel oil tank
- ④ Flowerbed # 8 East Side
- ⑤ Dog Attached to running line, West Side Flowerbed # 5
- ⑥ Fuel Tank, planks, chicken wire, wood pile, upper Deck 12' of clearance
- ⑦ West Side Flowerbed # 7
- ⑧ West Side Flowerbed # 9 - Just sampled on 4-28-3

ADDITIONAL INFORMATION

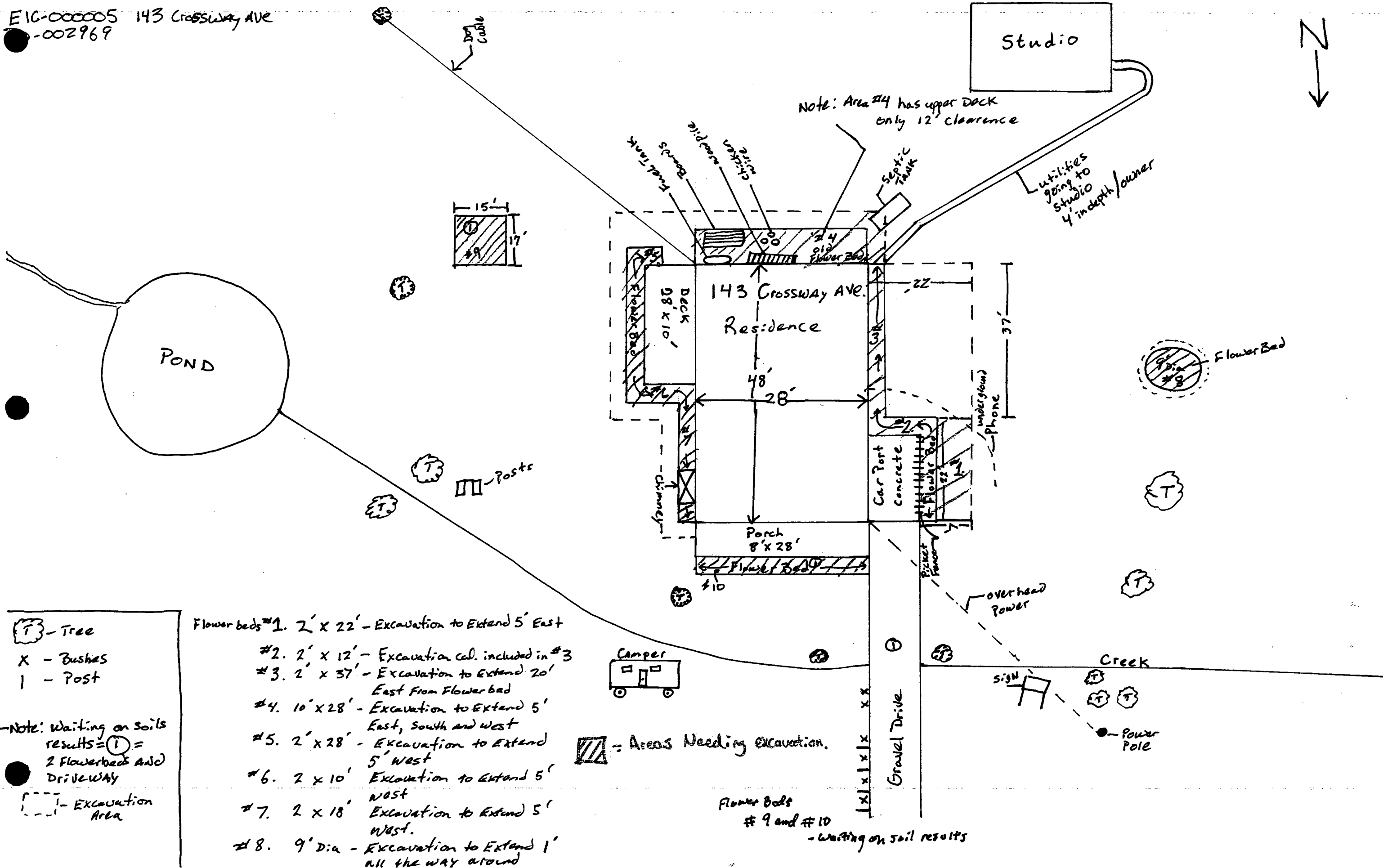
utilities running from ^{NE} corner of house to studio, underground and approx. 4' deep/over. South End (Back) of house, old Flowerbed (#4), has upper Deck with approx 12' of clearance.

Lined area for text entry, consisting of 20 horizontal lines.





E16-000005 143 Crossway Ave
-002969



1-26-03

28

LS 10-00121

000044 and

asked to

1 sampling

96, Sp-121043

21045.

samples

at 1430hrs.

1 with

a. VCI

ya

so side

yard and

an earlier

and

Location 143 Crossway Ave. Date 04-28-03

Project/Client L. Bay Asbestos - EPA/Volpe Region 8

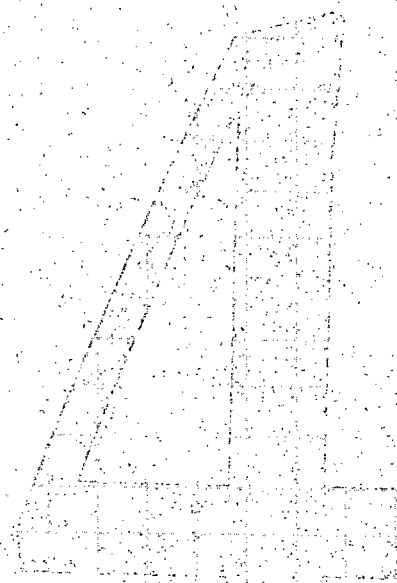
BD-002969, EIC-000005 Sullivan Residence

0915: on site @ 143 Crossway Ave. to complete an Exterior Inspection checklist, EIC-000005. Weather: AM - 53°F PC - PM - 59°F PC. Team: Paul Orem and Bion Dalton, Tom Look on site for questions. Author: Bion Dalton. Equipment: Bowls, spoons, Diaketer, Decon Wipes, gloves, shovels, pick, sampling Bags. Vermiculite noted visually in flowerbeds and beyond. Used a visual to delineate cut lines for Flower beds. Soil sampling on Driveway and two Flower beds today to complete CSS sampling started at an earlier date. FSDS - CSS(S)-004584 CS-11727, Sp-121046 - collected and sealed CS-11728, Sp-121047 - collected and sealed CDC# 005050. EIC-000005 is completed. changes maybe needed pending on Soil Results. No Further Entries.

Bion DALTON

Bion Dalton

4-28-03



Section Four

Addendum to the Comprehensive Residential Removal Action Plan Sullivan Residential Removal Plan 143 Crossway Avenue

1.0 Introduction

The Environmental Engineering Division (DTS-33) of the U.S. Department of Transportation's John A. Volpe National Transportation Systems Center (Volpe Center) is providing environmental engineering and contaminant removal support to Region 8 of the U.S. Environmental Protection Agency (EPA) on the Libby, Montana Asbestos Project. The Volpe Center, it's contractor, CDM Federal Programs Corporation (CDM), and CDM's subcontractor, MACTEC Federal Programs (MACTEC), have been requested by EPA Region 8 to provide specific technical support for removal actions at commercial and residential properties within the town of Libby that are known to be contaminated with Libby amphibole (LA) asbestos. This removal work plan is an addendum to the Comprehensive Residential Removal Action Plan (Plan) (Volpe 2002) and details specific information regarding removal activities that will take place at 143 Crossway Avenue (Sullivan residence).

This removal work plan includes property characterization data and planned remediation activities. The Plan, which details specific protocol for the removal of contaminated soil, vermiculite-containing insulation (VCI), and interior dust should be referenced during the removal activities for this property.

2.0 Property Background

On September 7, 2001, CDM collected three composite soil samples at the property as part of the Phase 1 investigation. Specifically, three composite surface (0 to 4 inches) soil samples were collected from the flowerbed areas, yard areas, and from an excavation fill and compost pile located northeast of the photography studio. All samples were collected in accordance with the Phase 1 Sampling and Quality Assurance Project Plan (EPA 2000) and submitted for LA asbestos by polarized light microscopy (PLM) (NIOSH 1994). Analytical results for the soil sample collected from the flowerbeds were <1% LA asbestos. Analytical results for the other two samples were nondetect.

On February 15, 2002, CDM and MACTEC completed a Phase 1 Background Information Field Form (Form # 00204) and collected interior dust samples from the house. Six dust samples were collected from horizontal surfaces and high traffic areas throughout the living level of the two-story house in accordance with the Phase 1 Sampling and Quality Assurance Project Plan (EPA 2000). Each microvacuum dust sample was analyzed by transmission electron microscopy (TEM) using the International Organization for Standardization (ISO) counting methods (ISO 1995). Analytical results for all dust samples collected were nondetect for LA asbestos.

On October 23, 2002, CDM performed a Contaminant Screening Study (CSS) investigation at the Sullivan residence. A Primary Structure and Property Assessment Supplemental Information Field Form (IFF) was completed for the house (BD-002969) at this time. During the investigation, the CSS field team observed VCI (approximately 4 inches in depth) in the attic. Additionally, VCI was observed within the interior/exterior walls. Vermiculite was not noticed in any soils on the property outside during inspection but noted heavy frost on ground, making it difficult to identify vermiculite.

On March 4, 2003, CDM conducted a pre-design interior inspection and completed a Supplemental Interior Inspection Checklist (SIIC) (SIIC #000080) for the home. The purpose of this investigation was to collect additional information on the house and its contaminated areas for removal planning purposes. The inspection revealed VCI to be present beneath the finished attic floor (second floor), second floor attic (attic within attic), and behind the knee wall areas. Additionally, VCI was observed in the living space of the house and within the interior and exterior walls. Dust samples were collected during previous investigations. Results of these dust samples will not be used as VCI was observed throughout the living space. A copy of the SIIC is included as an attachment to this document.

On April 28th, 2003, CDM performed an exterior inspection at the property to define the extent of soil contamination on the property. During the inspection, an exterior inspection checklist (EIC) (EIC#000005) was completed. Vermiculite was found in the flowerbeds around the perimeter of the house. In addition, vermiculite was found in two additional flowerbeds, one on the east side and one on the west side of the house. Additional information on the location of vermiculite on the property can be found on the property sketch included in the EIC (attachment to this document).

3.0 Removal Activities

Contaminated soil will first be removed from specified flowerbeds on the property. Next, VCI will be removed from beneath the finished attic floor, knee wall areas, and from the attic above the finished attic. An interior cleaning will also be performed once all bulk insulation has been removed.

3.1 Pre-Construction Meeting

Prior to removal activities, a pre-construction meeting will be held to discuss removal activities with the property owner. Representatives from the Volpe Center, CDM, and the removal contractor will attend the meeting. The CDM Community Involvement Coordinator (CIC) will produce a removal and restoration agreement form, summarizing the pre-construction meeting minutes. The removal and restoration agreement will include specific removal details not included in this addendum and will be referenced prior to removal activities. The form will be approved and signed by the property owner and representatives from Volpe, CDM, and the removal contractor before removal activities begin. A copy of the agreement form will be distributed to the property owners, Volpe, and the removal contractor. If changes in the removal activities necessitate deviations in the agreement form, an addendum to

the agreement form will be produced by the CIC and approved by the resident and representatives from the Volpe Center, CDM, and the removal contractor.

3.2 Contaminated Soil Removal

The removal contractor will be responsible for selecting the appropriate equipment for conducting the soil excavation based on the planned removal. The equipment may include an appropriate sized hydraulic excavator, a vacuum truck, or hand tools, depending on the size and complexity of the removal. The following areas will require soil excavation based on previous investigations:

- Flowerbeds

3.2.1 Flowerbed Excavation

Vermiculite was observed in various flowerbeds throughout the property. Flowerbeds are considered specific use areas (i.e., routine intrusive activity) and therefore, will be removed based on visual confirmation of vermiculite within the soil matrix. Specifically, flowerbeds containing vermiculite and/or LA asbestos were found in the following areas and will be removed by the removal contractor:

- All flowerbeds around the perimeter of the house
- 9-foot diameter flowerbed directly west of the house in the side yard
- 15 foot by 17 foot flowerbed southeast of the house in the side yard

A sketch of the property illustrating the location and dimension of all contaminated flowerbeds is included in the EIC. All contaminated soil within the flowerbeds will be excavated to a depth of 18 inches below ground surface (bgs). If gross visible vermiculite is still observed at 18 inches bgs, an additional 6 inches of soil will be excavated or until no more vermiculite is observed. Additional excavation will be determined by the CDM oversight representative. Horizontal excavation limits are indicated on the property sketch. The total amount of soil to be removed from the flowerbeds is approximately 35 cubic yards. Confirmation soil sampling will be collected in accordance with the Plan (Volpe 2002).

There are various items within the contaminated flowerbed areas. If possible, these items will be cleaned with water to remove all visible soil and set aside until removal activities are complete. Within the perimeter flowerbed south of the house, there are two stacks of lumber lying on the contaminated soil. Only the pieces(s) in direct contact with the soil will require cleaning. All other pieces can be moved from the contaminated area without cleaning. Any salvageable vegetation within the flowerbeds will be cleaned with water (root system) and temporarily planted (i.e., 5-gallon buckets) until removal activities are complete. Any vegetation not deemed salvageable will be documented and removed during excavation activities.

3.2.2 Property Survey

A survey of the property was determined not to be necessary for this property.

3.3 Insulation Removal

The attic of the house is finished and is accessed by a proper stairway located in the southern interior section of the house. Accesses to the knee wall areas (in the finished attic) consists of 4 small removable doors located on the east and west walls.

According to the SIIC, there is VCI present in the attic above the second floor (finished attic), beneath the finished attic floor, and behind the knee wall areas. For worker safety reasons, an additional attic access may be required to access the attic above the finished attic. This will be determined during the pre-construction meeting and indicated on the removal and restoration agreement.

VCI will be removed from beneath the finished attic floor. Although the flooring consists of tongue and groove, void spaces observed between the flooring may allow future migration of LA asbestos to the living space. Therefore, the tongue and groove flooring will be removed to access the VCI beneath. All tongue-and-groove flooring will be disposed of as contaminated construction debris. The loose carpet covering sections of the finished attic flooring will be FIEPA vacuumed and not disposed of.

VCI will also be removed from behind the knee wall areas. Flooring in the knee wall areas also consist of tongue and groove. All tongue and groove flooring within the attic knee wall areas will be removed to access the VCI.

The attic above the finished attic also contains VCI. Removal of VCI from this area will depend on attic access and structural integrity of the ceiling. If possible, all VCI from this area will be removed by current and/or newly developed accesses. If it is determined that VCI removal is not possible, the ceiling will be inspected to ensure there are no areas VCI could leak into the living space (i.e., void spaces). Any attic accesses may be sealed to prevent future entries to this area.

According to the SIIC, both interior and exterior walls contain VCI. The property owners plan to remodel the northern section of the house once VCI removal activities are complete. The interior walls planned for remodeling will be identified and marked by the homeowners during the pre-construction meeting. During bulk VCI removal, these walls will be exposed to the studs and all VCI will be removed. The removal contractor will not be replacing these walls. Rather, the homeowner will repair the walls during their remodeling efforts. VCI was found to be leaking from the exterior walls onto the adjacent surface soils. Any VCI found within exterior wall voids will be removed. These voids will be sealed to minimize future leakage.

The understructure consists of a small partially finished basement. VCI was observed by the pre-design investigation team between utility conduit voids. All VCI will be removed from the basement level.

The entire footprint of the house measures approximately 1316 square feet (ft²). The depth of VCI throughout the attic was estimated to be 4 to 6 inches. No other types of VCI were observed. The total amount of attic insulation to remove is approximately 25 to 28 cubic yards (yd³), depending on VCI removal from the attic above the finished attic.

Electricity will be temporarily shut off during the removal activities. The removal contractor will provide a portable generator for equipment requiring electricity. It will be the responsibility of the removal contractor to ensure water pipes do not freeze should temperatures drop below freezing. Pending approval from the property owner, the removal contractor will utilize the resident's potable water source for the removal activities. Water usage is expected to be minimal, as water will only be used for personal and equipment decontamination. However, if the property owner notices a significant increase in usage, the removal contractor will be responsible for paying the increased costs. The property owner will be required to provide documentation (e.g., previous month's statement, last year's statement, etc.) for approval by the onsite government representative. All decontamination water will be captured and disposed of offsite.

According to the SIIC, there are several items (i.e., office boxes, furniture) stored in the attic. Any items (i.e., boxes, household goods, etc.) in contact with the VCI will be wet wiped and removed from the attic prior to removal. Visual inspections and air monitoring/clearance sampling will be conducted in accordance with the Plan. Additional information on the house can be found on the attached SIIC.

VCI within the attic areas will be removed using a truck-mounted vacuum as indicated in the Plan. Visual inspections and air monitoring/clearance sampling will be conducted in accordance with the Plan. Additional information on the house can be found on the SIIC. A copy of the SIIC is provided as an attachment to this document.

3.4 Interior Cleaning

An interior cleaning will be performed in the interior of the house (first level, second level, and basement) as VCI was observed within all living spaces. The interior cleaning will include a wet wiping of all non-textile surfaces with disposable rags and clean water, or an equivalent. A vacuum equipped with a high-efficiency particulate air (HEPA) filter will be used to vacuum textile surfaces as appropriate. Visual inspections and air monitoring/clearance sampling will be conducted as specified in the Plan.

4.0 Restoration Activities

Restoration activities will occur within the interior of the house as well as the exterior of the property. Should exterior removal excavation spread to any adjacent areas due to subsurface observation of vermiculite during excavation, these additional soil areas will also require restoration.

4.1 Exterior Restoration

Restoration efforts will be completed after all contaminated soil has been removed from the site.

All exterior restoration efforts will employ "replace in kind" methods. That is, any contaminated material removed (e.g., soil, vegetation, decorative ornaments, etc.) during soil excavation will be replaced with similar items less than or equal to the original value. All contaminated flowerbed soil will be replaced by government-approved topsoil. Any flowerbed items not salvaged will be replaced as necessary. The removal contractor will contract with a local nursery/florist to replace any vegetation removed during soil excavation. Any items deemed to be salvageable and cleaned prior to soil removal will be restored to their original condition and position on the property after removal activities are complete. The removal contractor will provide to CDM the estimated yards of topsoil replaced for documentation and sample tracking.

4.2 Interior Restoration

Blown-in (fiberglass) insulation will be installed in the home's attic behind the knee wall areas. Insulation will not be replaced beneath the finished attic flooring. If removed, insulation will be replaced in the attic above the second level. The installed insulation will have a minimum rating of R-38.

If an additional access is needed to any part of the attic, it will be restored as an additional attic access with a removable panel or hinged door, depending on its location. This will be determined during the pre-construction meeting. The removal contractor will not repair exposed walls where the homeowner is planning remodeling efforts. The walls will remain as exposed studs.

5.0 References

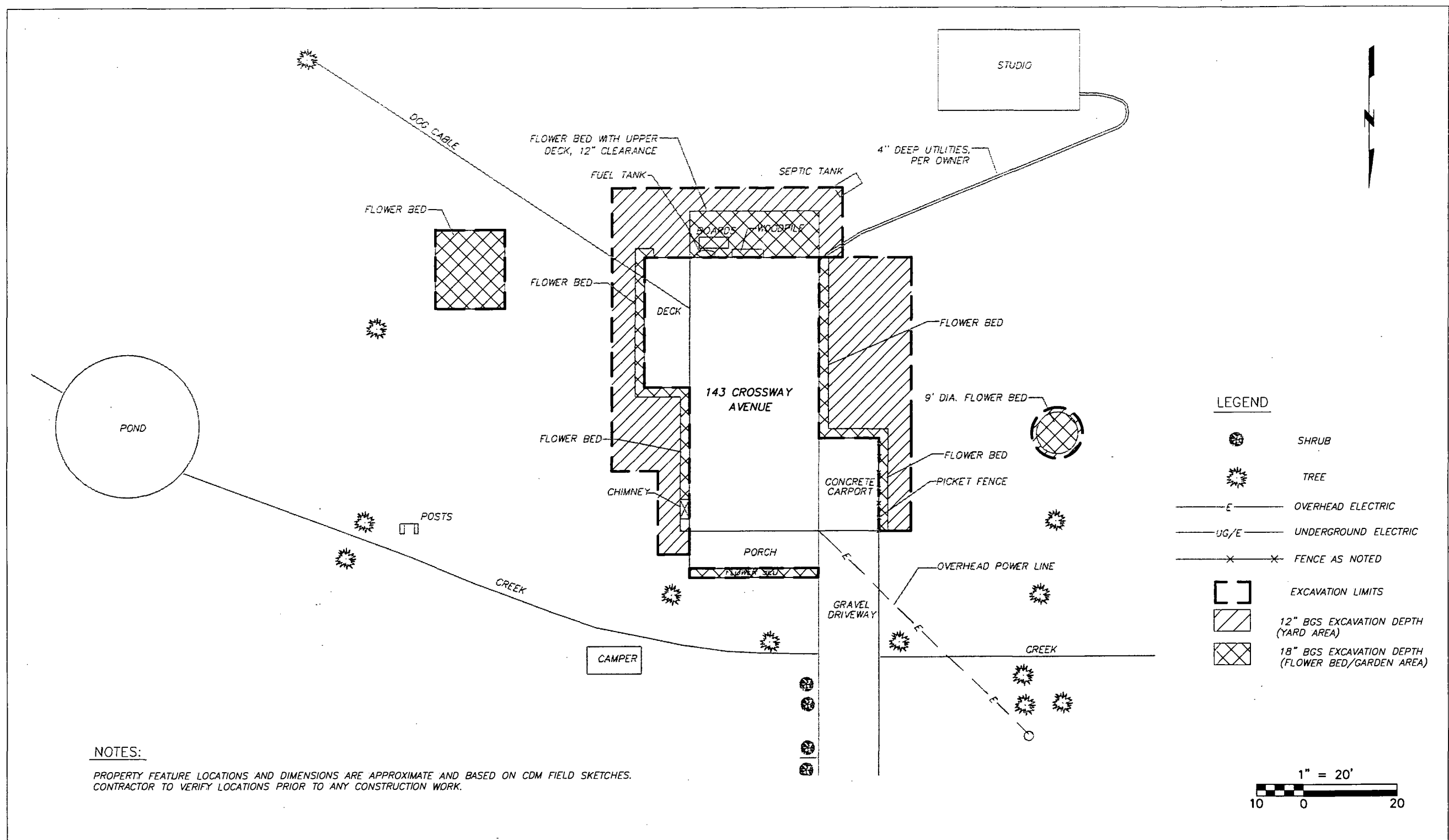
CDM. 2002a. Final Sampling and Analysis Plan, Remedial Investigation, Contaminant Screening Study, Libby Asbestos Site, Operable Unit 4, Libby, Montana. April 2002.

CDM 2002b. Record of Deviation/Request for Modification Forms for the Contaminant Screening Study Sampling and Analysis Plan, Libby Asbestos Site, Operable Unit 4, Libby, Montana, Revision 3. November 27, 2002.

NIOSH. 1994a. Asbestos (bulk) by PLM. Method 9002, Issue 2. August.

NIOSH. 1994b. Asbestos by TEM. Method 7402, Issue 2. August.

Volpe. 2002. Comprehensive Residential Removal Activity Plan. Revision 2. December.



CDM

LIBBY ASBESTOS PROJECT
 LIBBY, MONTANA

Quick Response Statement of Work

Sullivan Property
143 Crossway Avenue – Libby, MT – 59923

1.0 Background Information

The Sullivan Property at 143 Crossway Ave. is located in Libby, MT. The home owner encountered a large quantity of Libby vermiculite and tailings material while tilling a portion of the property for landscaping. The home owner is planning to use this area as an outside photo studio. Upon observing the material, the resident stopped work and contacted the EPA Information Center.

2.0 Summary of Activities

The activities summarized below will be performed as a temporary solution to provide the resident with access to the area until further remediation can be completed. Additional investigation to be performed at a later date, will determine the extent of future removal activities.

Proper engineering controls, work practices, and dust suppression must be maintained at all times. Work will be performed in Level D PPE as defined in the CHASP. The contractor shall apply an 8-foot wide strip of 6-mil plastic sheeting to the ground along the east side of the creek, and from the south end of the creek to near the front door of the existing studio. The exact location will be identified and marked by a government representative during set-up activities. This strip will cover approximately 125 linear feet, resulting in a total area of 1000 square feet to be covered. The contractor shall then apply a geo-tech fabric over the same area. The fabric is to be appropriately staked into place. Finally, the contractor shall apply a 4-inch layer of wood chips to the aforementioned area.

No other restoration activities are required.

Please refer to attached photos.

Photo 1:

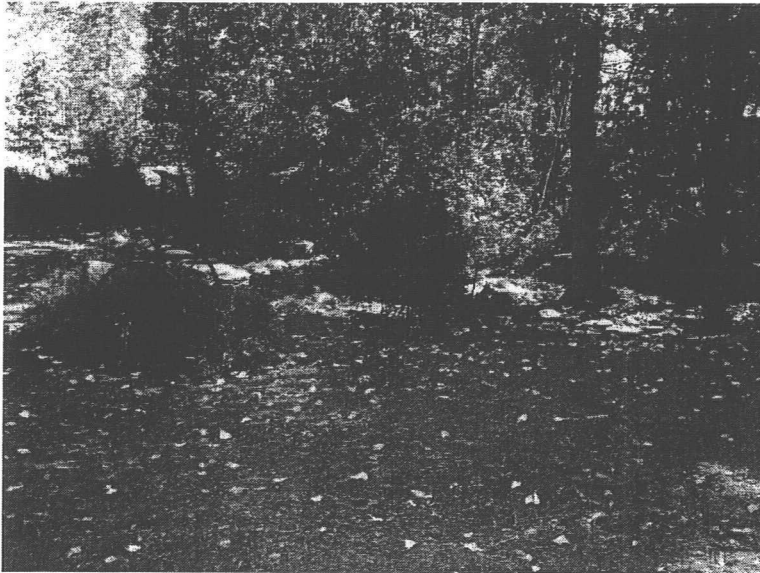


Photo 2:



I acknowledge that I have received a copy of the Work Plan Addendum for the property located at the address stated for review and comment.

Bethie Sullivan
Owner

8/24/06
Date

Libby ERS Initial Assessment Checklist

BD: 002969

Property Address: 143 CROSSWAY

Date: 01/12/09

ERS Contact Made By: G. SULLIVAN

ERS Contact Received By: EPA INFORMATION CENTER (M. CIRIAN EPA)

Property Owner: G. SULLIVAN

Contact Number (indicate home or cell): H- 293-8496, C-291-0421

Tenant/Resident: NA

Contact Number (indicate home or cell): NA

ERS Personnel Onsite: K. FORTNER, M. CIRIAN

Property Type:

Residential Property ☒

Commercial Property ☐

City Property ☐

County Property ☐

Other ☐

Current Property Status:

Cleanup Completed ☒ 07/2003

PDI Completed ☐

No CSS Completed ☐

CSS Completed ☐

Pending Property ☐

Identification

Exterior ☐

Interior ☒

Exterior

Location:

Yard ☒ NA
SUA ☐
Driveway or Alley ☐
Below Ground Surface ☐
Other ☐

Interior

Libby ERS Initial Assessment Checklist

BD: 002969

Location:	
Main Structure <u>X</u>	Secondary Structure <u> </u>
Detached Garage <u> </u>	Outbuilding <u> </u>
Other <u> </u>	
Detailed Location:	
Attic <u> </u>	
Walls <u>X</u>	
Floor <u> </u>	
Soil Floor <u> </u>	
Basement <u> </u>	
Crawlspace <u> </u>	
Other <u> </u>	

Explain: PORCH COLLAPSED DUE TO SNOW LOAD. VCI EXPOSED
ON LEDGER BOARDS. AS LEAKED DOWN AROUND WINDOW,
DOOR TRIM, AND IN PLANTERS AT FRONT OF RESIDENCE.

Type of Contamination:

VCI <u>X</u>	VCS <u> </u>
Plaster <u> </u>	Visible Amphibole Present <u> </u>
Other insulation <u> </u>	Other Building Material <u> </u>
No Vermiculite Observed <u> </u>	

Explain: VCI LEAKING ON EXTERIOR.

Actions Required

Information Request <u> </u>	Immediate Need <u> </u>
Homeowner Pending <u> </u>	Addressed While Onsite <u> </u>
Return Necessary <u> </u>	Design Necessary <u> </u>
Contractor Required <u>X</u>	Assist Local Contractor <u> </u>

Libby ERS Initial Assessment Checklist

BD: 002969

No Action Required Future Planning

Level of Effort:

Large Medium X Small

Potential Timing of Removal Work:

Planned Start Date: MARCH AT THE EARLIEST

Anticipated Completion Date:

Notifications

CDM N Hotline entry X Volpe X EPA X

Preliminary Assessment: REMOVE LODGER BOARDS, CLEAN VCL,
REMOVE VCL FROM SURFACE OF SOIL IN PLANTER BOXES.

Potential Emergency Situation (provide details)

Potential Hazards (e.g. slips, trips, falls, utilities, etc.)

Property Owner Requests/Comments:

WILL REPLACE LODGER BOARDS PER M. CIRIAN (EPA). G. SULLIVAN
STATED THAT HE WILL REPLACE TRIM AROUND DOOR IF WE WILL
REMOVE TO ACCESS VCL. G. SULLIVAN HAS NO PLANS TO
REMODEL WINDOWS. G. SULLIVAN STATED THAT A PAINTABLE
CAULK OR FILLER WOULD WORK FOR SEALING BETWEEN LOGS
AS HE HAS PLANS TO PAINT THE EXTERIOR OF
THE HOUSE.

Libby ERS Initial Assessment Checklist

BD: 002969

03/16/09
UPDATE: QR RESPONSE TO SEAL UP INITIAL LEAKING UNTIL
SPRING SO QR CAN BE COMPLETED IN SPRING 09.
(FURTHER)

28' 2x8" LEDGER BOARD

5' CUT FOR CONTAINMENT

DOORWAY - 14 LINEAL FEET
(TRAIL)

WINDOWS - 56 LINEAL FEET FOR BOTH
(TRAIL) 38

2x10 SOL (TWO OTHERS)

SEAL LOGS WITH PAINTABLE CAULKING

1546 DEPARTED SITE

Sullivan

100212 100212

"Write in the Rain"
ALL-WEATHER WRITING PAPER



TRANSIT

All-Weather Notebook
No. 301

LIBBY ASBESTOS PROJECT

~~REDACTED~~
~~REDACTED~~

4 5/8" x 7" 48 Numbered Pages

143 CROSSWAX AVE

~~REDACTED~~
~~REDACTED~~
~~REDACTED~~
~~REDACTED~~

2
TOC.

~~TOM Vanderweel~~
~~TOM VANDERWEE~~
8-26-03

143 CROSSWAY AVE
RES REMOVAL
OIA: SULLIVAN

6-9-03
VOLPE/EPI
COM: V.

AUTHOR TOM VANDERWEE, WEATHER 65° + SUN ☉
1124. ACTIVITIES ARE RES REM OVERSITE. PPE
IS LEVEL D SET UP. TITLE OF GOV DOC IS CRRAP
(VOLPE 2002) SULLIVAN ADDENDUM. EQUIP USED
IS CAMERA 3, REM RADIO 3. ——— TV
1124 ONSITE. ER IS HERE FOR PHOTOS &
START SET UP. ——— TV
1132 GO TO 154 SKI RD. ——— TV
1454 ONSITE. GO OVER JOB WITH
MERRILL. MANY QUESTIONS. LAY OUT
EXCAVATION. ——— TV
1706 COM OFFICE

~~TOM Vanderweel~~
~~TOM VANDERWEE~~
6-9-03

4 143 CROSSWAY AVE
RES REMOVAL
OWN: SULLIVAN

6-10-03
VOLPE/EPA
CDM: TOM V

AUTHOR TOM VANDERWEELE, WEATHER IS 62° + RAIN
@ 0847. ACTIVITIES ARE RES REM OVERSITE. PPE
IS LEVEL D. TITLE OF GOV DOC IS CRRAP
(VOLPE 2002) SULLIVAN ADDENDUM. EQUIP
USED IS CAMERA 3, REM RADIO 3. — TV
0700 ER HORN MTG. — TV
0730 CDM HORN MTG. — TV
0847 ONSITE. SHAWN VISITED. REMINDED
WORKERS ABOUT SAFETY GLASSES AGAIN.
HAD ER SET OUT FIRE EXT BY GEAR,
PUMP. CUT ENDS OFF 4 EXT. CORDS,
SENT 2 LIGHTS BACK TO SHOP. — TV
0950 341 PARKVIEW DR.
1043 ONSITE - KICK OFF MTG. JEFF, MERRILL
TOMMY, MYSELF. ER SKET DOWN. RAIN &
LIGHTENING. — TV
1150 - LUNCH

Tom Vanderweele
TOM VANDERWEELE
6-10-03

143 CROSSWAY AVE
RES REMOVAL
OWN: SULLIVAN

6-11-03
VOLPE/EPA
CDM: TOM V. 5

AUTHOR TOM VANDERWEELE, WEATHER - 52° + CLOUDS
@ 0823. ACTIVITIES ARE RES REM OVERSITE. PPE
IS LEVEL D SETUP. TITLE OF GOV DOC IS
CRRAP (VOLPE 2002) SULLIVAN ADDENDUM.
EQUIP USED IS CAMERA 3, REM RADIO 3. — TV
0700 - ER HORN MTG. — TV
0730 - CDM HORN MTG. — TV
0823 - ONSITE. REMIND 3 WORKERS
ABOUT SAFETY GLASSES (MAKE THAT 4).
ER MOVING CLEAN WOOD IN LEVEL D. ER
BRINGING IN GENERATOR FOR STUDIO.
CIRCUIT IS POWERING HOUSE + STUDIO.
GOING TO ISOLATE WHERE IT FEEDS
STUDIO. ER BUILDING CONTAINMENT
AROUND SCAFFOLD. CALL KAREN ABOUT
HOMEOWNER + FLOWERBED ROCKS. — TV
0917 GO TO 154 SKI RD. — TV
1032 ONSITE. MOB IN EQUIP. WORKING
ON HOUSE CONTAINMENT. ISOLATE &
POWER UP STUDIO OFF GENERATOR. — TV
1200 - LUNCH — TV
1412 - ONSITE - ER WORKING ON HOME
CONTAINMENT. — TV
1432 - CDM OFFICE — TV

Tom Vanderweele
TOM VANDERWEELE
6-11-03

6 143 CROSSWAY AVE
RES REMOVAL
OWN: SULLIVAN

6-11-03
VOLPE/EPA
COM: TOM

1600 SHAWN HERE FOR CONTAINMENT
CK. NEED FLAP AT ATTIC ENTRANCE,
LOCK OUT TAG OUT, SEAL SMALL ATTIC
ENTRANCE, BOOT WASH + CARPET ON
POLY TO TRAILER. THEN OKAY TO
REMOVE. ————— TV

1720 COM OFFICE

Tom Vanderweel
Tom Vanderweel
6-11-03

143 CROSSWAY AVE
RES REMOVAL
OWN: SULLIVAN

6-12-03
VOLPE/EPA
COM: TOM V.

AUTHOR TOM VANDERWEEL WEATHER 53° + SUN
@ 0828. ACTIVITIES ARE RES REM OVERSITE,
PPE IS LEVEL C + D. TITLE OF GOV DOC IS CRAP
(VOLPE 2002) SULLIVAN ADDENDUM. EQUIP
USED IS CAMERA 7, REM RADIO 3. ————— TV

0700 ER MORN MTC. ————— TV

0730 COM MORN MTC. ————— TV

0828 ONSITE. TOLD ER NOT TO PUMP
BASEMENT WATER. WORKERS GOING IN
HOUSE TO BOX + BAG UP MATERIAL.
EXCAVATING OUTSIDE. HOSED OFF VCI
FROM SIDE OF HOUSE BEFORE DIGGING.
GOING TO SAVE ROCKS. ————— TV

0845 JOB WALK - S. CENTRAL - ————— TV
1103 ONSITE - ER HAS DUG ALONG N.
SIDE OF HOUSE TO WHERE NO VISIBLE
IS SEEN. NOT FULL DEPTH DUE TO WATER
TABLE. ER CLEANING ROCKS TO SAVE.
SUMP PUMP LINE WAS BROKEN. ER
RETRIEVED 2 LIGHT BOXES OUT OF KNEE
WALL FOR HOMEOWNER. ————— TV

1149 - GO TO 154 SKI RD. ————— TV

1453 - ONSITE - ER LOADING OUT DIRT.
1555 - GO TO 341 PARKENTER DR. ————— TV

Tom Vanderweel
Tom Vanderweel
6-12-03

8

143 CROSSWAY AVE
RES REMOVAL
OWN: SULLIVAN

6-13-03
VOLPE/EPA
CDM: TOM V

AUTHOR TOM VANDERWEELE, WEATHER 15 53° & SHOWERS
@0832 ACTIVITIES ARE RES REM OVERSITE. PPE
IS LEVEL C+D. TITLE OF GOV DOC IS CRRAP
(VOLPE 2002) SULLIVAN ADDENDUM. EQUIP
USED IS CAMERA 3, REM RADIO 3. — TV
0700 ER HORN MTG. — TV
0730 CDM HORN MTG. — TV
0832 ONSITE - 6 WORKERS IN ZONE. 2
EXCAVATING - 2 IN HOUSE BOXING, BIGGING,
2 IN ATTIC STARTING REMOVAL. GROUND
WATER LAYING WHERE PLANTER WAS
TAKEN OUT. APPROX 8" BELOW GRADE.
0906 GO TO 154 SKI RD. — TV
1035 ONSITE - SAME ACTIVITIES GOING ON.
1151 LUNCH. — TV
1426 STOP BY. ER WANTS OUTSIDE CONT.
AINMENT CHECK NOW & INTERIOR 0800
MON. SHAWN ON HIS WAY — T.V. — TV
1440 GO TO (43 CROSSWAY AVE) 6/13/03 — TV
1-5 PT. COMPOSITE SOIL SAMPLE TAKEN AT 1545
FROM N. SIDE OF HOUSE. L.V. SEEN. NO GPS YET.
1R-20631 SP-121481
FSDS # 000054. 1-5 POINT SOIL SAMPLE
TAKEN AT 1552 FROM E. REAR OF HOUSE & NE
FLOWERBED. LV SEEN. FSDS # 000054.
1R-20632 SP-121482
1645 CDM OFFICE WITH SAMPLES. 6/13/03
Tom Vanderweel TOM VANDERWEELE

9

143 CROSSWAY AVE
RES REMOVAL
OWN: SULLIVAN

6-16-03
VOLPE/EPA
CDM: TOM V.

AUTHOR TOM VANDERWEELE, WEATHER 56° & SUN
@0952. ACTIVITIES ARE RES REM OVERSITE
PPE IS LEVEL C+D. TITLE OF GOV DOC IS
CRRAP (VOLPE 2002) SULLIVAN ADDENDUM. EQUIP
USED IS CAMERA 3, REM RADIO 3. — TV
0952- ER HAS REMOVED PLANTER FROM
THE S. SIDE OF HOUSE (STAND ALONE) &
SAVED THE ROCKS. HAND DIGGING BLOCK
PLANTER IN FRONT OF HOUSE. DETAIL
IN ATTIC GOING ON. NEIGHBOR WORRIED
ABOUT CONTAMINATION? DIGGING WILL
BE DONE ABOUT LUNCH. — TV
1026- GO TO 154 SKI RD. — TV
1328 IN TO SOIL SAMPLE. 1-5 PT COM-
POSITE SOIL SAMPLE TAKEN AT 1345 FROM S.
SIDE OF HOUSE. LV SEEN FSDS # 000055.
1R-20633 SP-121483
1-5 PT. COMP. SOIL SAMPLE TAKEN AT 1350 FROM S+W
PLANTERS. NO LV SEEN. FSDS # 000055. NO
GPS YET. — TV
1406 GO TO CDM OFFICE — TV
1639 ONSITE - PLYWOOD ON CEILING. NOT
1x4's. 3 WORKERS INSIDE REMOVING
CEILING TILES, WALL PANELING & CARPET.
1711- CDM OFFICE. TOM VANDERWEELE
Tom Vanderweel 6-16-03

10

143 CROSSWAY AVE
RES REMOVAL
OWN: SULLIVAN

6-17-03
VOLPE/EP
CDM: TOM V.

AUTHOR TOM VANDERWEELE, WEATHER 15 60° + SUN
@ 1015. ACTIVITIES ARE RES REM OVERSITE. PPE
IS LEVEL C+D. TITLE OF GOV DOC IS CRRAP
(VOLPE 2002) SULLIVAN ADDENDUM. EQUIP
USED IS CAMERA 3, REM RADIO 3. — TV
1015 ER IS DETAILING ATTIC, NO RESTOR-
ATION WORK GOING ON OUTSIDE. FINAL
2 SOIL CLEARANCE SAMPLES WERE NON-
DETECT LATE PM MON 6-16. TOLD ER
0700 THIS AM. TWO IN ATTIC, 2 IN
HOUSE PULLING DOWN CEILING PANELS,
1026 GO TO 341 PARKHEATER AVE. — TV
1113 ER CALLED MERRILL & I OVER ABOUT
ATTIC. MERRILL WENT IN ATTIC. DETAIL
DONE IN ATTIC. GROSS VCI REMOVED FROM
SLOPED CEILING LEADING TO KNEE WALLS
& WALLS DOWNSTAIRS. WALLS & CEILING
HAVE PLYWOOD UNDER PANELING &
CEILING TILES. NEED TALK TO SCOTT S.
1150 LUNCH. — TV

1408 GO IN ZONE TO LOOK AT WALLS &
CEILING. REMOVING BLOCKS FROM ON TOP
OF WALLS TO ACCESS VCI LEFT IN ATTIC
SLOPED ROOF. NO ATTIC WORK P.M. (HEAT)
1538 - GO TO 15 AVE B. 6-17-03

TOM VANDERWEELE TOM VANDERWEELE

11

143 CROSSWAY AVE
RES REMOVAL
OWN: SULLIVAN

6-18-03
VOLPE/EP
CDM: TOM V.

AUTHOR IS TOM VANDERWEELE, WEATHER 83° + SUN
@ 1053. ACTIVITIES ARE RES REM OVERSITE. PPE
IS LEVEL C+D. TITLE OF GOV DOC IS CRRAP
(VOLPE 2002) SULLIVAN ADDENDUM. EQUIP USED IS
CAMERA 3, VANDERWEELE RADIO. — TV
1053 - 4 WORKERS IN HOUSE REMOVING
CEILING & VAC VCI WHERE FOUND. EXT
WALLS SO FAR. - COMING DOWN FROM
ATTIC. 2 WORKERS IN ATTIC DETAILING.
1110 GO TO 280 S CENTRAL RD. — TV
1533 - 9 WORKERS IN HOUSE THIS
P.M. PHOTOS TAKEN OF REMOVAL
AREAS. LOOSE VAI ON OUTSIDE OF
HOUSE STILL. NO RESTORATION OUT-
SIDE TODAY. — TV

1610 GO TO 280 S CENTRAL RD.

TOM VANDERWEELE
TOM VANDERWEELE
6-18-03

143 CROSSWAY AVE
RES REMOVAL
OWN: SULLIVAN

6-19-03
VOLPE/BA
CON: TV.

AUTHOR TOM VANDERWEBL. WEATHER IS 81° + SUN
@ 1127. ACTIVITIES ARE RES REM OVERSIGHT. PPE
IS LEVEL C & D. TITLE OF GOV DOC IS CRRAP
(VOLPE 2002) SULLIVAN ADDENDUM. EQUIP USED
IS CAMERA 3, VANDERWEBL RADIO — TV
1127 ER BAGGING UP ACM. RUGS, WOOD,
TILES - CLEANING IN KNEE WALLS. REMOVE
VCI FOUND ABOVE CEILING. WALLS DONE
CEILING DONE, CARPET GONE, CLEANING
2ND FLOOR - ATTIC DONE + READY FOR
INSP. NO OUTSIDE RESTORATION TODAY.
LUNCH 1150 — TV

1338 - HERE FOR ENCAP INSP WITH
GREG. SOIL COMING TO BACKFILL
OUTSIDE. HEPA VAC SMALL AND VCI
FROM OUTSIDE WINDOWSILL + GROUND
THAT CAME OUT OF EAVE BLOCK. OKAY TO
ENCAP ATTIC. DETAILING + CLEANING IN
HOUSE - 2ND FLOOR + KNEEWALLS. BACK
FILLING EXCAVATIONS. — TV

1536 GO TO 341 PARKENTER DR. — TV

Tom Vanderwebl
TOM VANDERWEBL
6-19-03

143 CROSSWAY AVE
RES REMOVAL
OWN: SULLIVAN

6-20-03
VOLPE/BA
CON: TOM V.

AUTHOR TOM VANDERWEBL. WEATHER IS 66° + CLOUDS
@ 1139. ACTIVITIES ARE RES REM OVERSIGHT. PPE
IS LEVEL C & D. TITLE OF GOV DOC IS CRRAP
(VOLPE 2002) SULLIVAN ADDENDUM. EQUIP USED
IS CAMERA 3, VANDERWEBL RADIO — TV
1139 ER STARTING TO COME OUT FOR
LUNCH. NO WORK OUTSIDE. TO MUDDY.
3 DETAILING MAIN FLOOR. 2 ON SECOND
FLOOR. — TV
1147 - GO TO 341 PARKENTER DR. — TV

Tom Vanderwebl
TOM VANDERWEBL
6-20-03

143 CROSSWAY AVE
RES REMOVAL
OWN: SULLIVAN

6-21-03
VOLPE/CPA
CON: TOM V.

AUTHOR TOM VANDERWEEL, WEATHER 15 59° + SUN
@1140. ACTIVITIES ARE RES REM OVERSITE. PPE
IS LEVEL C & D. TITLE OF GOV DOC IS CRAP (VOLPE
2002) SULLIVAN ADDENDUM. EQUIP USED
IS CAMERA 3, VANDERWEEL RADIO. — TV

1140 ER DONE WITH VAC TRUCK. ALOT
OF CAULK & FOAM BEING USED ON LOGS
& BLOCKING ATIC ACCESS FROM TOPS OF
WALLS. 5 WORKERS IN ZONE TODAY.
NO OUTSIDE WORK GOING ON. 2ND
FLOOR IS COMPLETE. ALL BLOCKING DONE
ON TOPS OF WALLS. — TV
1200 LUNCH. — TV

1418 4 WORKERS IN AFTER LUNCH
DETAILING MAIN FLOOR. STILL HAVE
BASEMENT TO CLEAN. — TV
1430 GO TO 280 S. CENTRAL RD. — TV

Tom Vanderweel
TOM VANDERWEEL
6-21-03

143 CROSSWAY AVE
RES REMOVAL
OWN: SULLIVAN

6-23-03
VOLPE/CPA
CON: TOM V.

AUTHOR TOM VANDERWEEL, WEATHER 52° + CLOUDY
@0915. ACTIVITIES ARE RES REM OVERSITE. PPE
IS LEVEL C & D. TITLE OF GOV DOC IS CRAP (VOLPE
2002) SULLIVAN ADDENDUM. EQUIP USED
IS CAMERA 3, VANDERWEEL RADIO. — TV
0915 MEETING ON SITE WITH COURTNEY,
KAREN, SCOTT, MERRILL, CHUCK + MYSELF.
OWNER WORRIED ABOUT A FEW THINGS. PHONE
NOT WORKING IN STUDIO. ER CLEANING
IN MAIN FLOOR OF HOUSE. BACKFILLING IN
YARD + FLOWER BED AREAS. — TV

1004 GO TO 15 AVE B. — TV
1644 - ON SITE FOR INSP. OF BASEMENT,
FIRST & SECOND FLOORS + KNEE WALLS.
1742 OUT OF ZONE. A FEW AREAS
NEED CLEANING. FIREPLACE, LIGHT,
CARDBOARD WALL, CAULK HOLTS +
CRACKS. NEED TO TALK ABOUT BASE-
MENT WITH DAVE-SCOTT. — TV
1745 GO TO COM OFFICE. — TV

Tom Vanderweel
TOM VANDERWEEL
6-23-03

16

143 CROSSWAY AVE
RES REMOVAL
OWN: SULLIVAN

6-24-03
VOLPE/EPA
CDM: TOM V.

AUTHOR TOM VANDERWEE, WEATHER IS 68° & SUN
@ 1254. ACTIVITIES ARE RES REM OVERSITE. PPE IS
LEVEL C&D. TITLE OF GOV DOC IS CRRAP (VOLPE
2002) SULLIVAN ADDENDUM. EQUIP USED IS
CAMERA 3, VANDERWEE RADIO. — TV

1254 WATER TRUCK BEING DELIVERED
TO PUMP DOWN WATER IN BASEMENT
TO TAKE PICTURES. PUMP WOULD NOT
KEEP GOING TO CLEAN FLOOR. TOOK
PICTURES OF LV & VCI IN CRAWL
SPACE THAT WERE NOT CLEANED.
1545 BACK TO CDM TO LOOK AT PIC'S.

Tom Vanderweel
Tom Vanderweel
6-24-03

143 CROSSWAY AVE
RES REMOVAL
OWN: SULLIVAN

6-25-03 17
VOLPE/EPA
CDM: TOM V.

AUTHOR TOM VANDERWEE, WEATHER IS 63° & SUN
@ 1032. ACTIVITIES ARE RES REM OVERSITE. PPE
IS LEVEL C&D. TITLE OF GOV DOC IS CRRAP (VOLPE
2002) SULLIVAN ADDENDUM. EQUIP USED
IS CAMERA 3, VANDERWEE RADIO — TV
1032 HERE, MATEC RUNNING ATTIC
CLEARANCE. GRADING OF TOP SOIL
GOING ON. LEAVE PANELING OUTSIDE
WHERE IT IS. HAUZER LEAVE A VAC
HERE FOR OUTSIDE OF HOUSE, NEED
TO SEAL EAVE VENTS. ER REPAIRED
SLUMP PUMP LINE. IS CRAWL SPACE
CLEAN? — TV

1113 GO TO 280 S CENTRAL RD — TV

Tom Vanderweel
Tom Vanderweel
6-25-03

18

143 CROSSWAY AVE
RES REMOVAL
OWN: SULLIVAN

6-26-03
VOLPE/68A
CDM: TOM V.

AUTHOR TOM VANDERWEELE, WEATHER IS 68° + SUN
@ 1051. ACTIVITIES ARE RES REM OVERSITE. PPE
IS LEVEL C & D. TITLE OF GOV DOC IS CRRAP (VOLPE
2002) SULLIVAN ADDENDUM. EQUIP USED IS
CAMERA 3, VANDERWEELE RADIO. — TV
1051 HERE, MACTEC HERE REMAINING AIR
CLEARANCE (AGGRESSIVE) IN MAIN FLOOR &
SECOND FLOOR. 3 WORKERS OUTSIDE
TAMPING, RAKING & GRADING. — TV
1115 GO TO 15 AVE B. — TV
ATTIC AIR CLEARANCE PASSED. — TV
ONE PLANTER IS BUILT FILLED &
PLANTS PLANTED TO OWNER'S DELIGHT.

Tom Vanderweele
TOM VANDERWEELE
6-26-03

19

143 CROSSWAY AVE
RES REMOVAL
OWN: SULLIVAN

6-27-03
VOLPE/68A
CDM: TOM V.

AUTHOR TOM VANDERWEELE, WEATHER IS 70° + SUN
@ 0956. ACTIVITIES ARE RES REM OVERSITE, PPE
IS LEVEL C & D. TITLE OF GOV DOC IS CRRAP
(VOLPE 2002) SULLIVAN ADDENDUM. EQUIP
USED IS CAMERA 3, VANDERWEELE RADIO. — TV
0956 - TAKE PHOTOS OF RESTORATION. NEG
AIR IS OFF TO HOUSE & BASEMENT. ASK
ER TO REMEDY. RHEA HERE DIGGING. NO
ER WORKER HERE FOR SECURITY. ER
PLUGGED NEG AIR BACK IN. — TV
1016 GO TO 154 SKI RD. — TV
1127 - GROUND FLOOR & SECOND FLOOR
BOTH NEED TO BE RE-CLEANED DUE
TO AIR CLEARANCE SAMPLING. HAD
STRUCTURES IN BOTH AREAS. — TV
1730 - ER RE-CLEANING HOUSE, TRY
TO ENCAP AGAIN TONIGHT. — TV
1800 GO TO CDM OFFICE. — TV

Tom Vanderweele
TOM VANDERWEELE
6-27-03

20

143 CROSSWAY AVE
RES REMOVAL
OWN: SULLIVAN

6-28-03
VOLPE/EPÄ
CDM: TOM

AUTHOR TOM VANDERWEE, WEATHER IS 70° & SUN
@ 1025. ACTIVITIES ARE RES REM OVERSITE. PPE
IS LEVEL C & D. TITLE OF GOU DOC IS CRRAP (VOLPE
2002) SULLIVAN ADDENDUM. EQUIP USED IS
CAMERA 3, VANDERWEE RADIO — TV
1025- ER STILL CLEANING (RE) HOUSE -
1ST & 2ND FLOORS. THEN GOING TO CRRAP.
1100 GO TO 1114 IDAHO AVE. — TV

Tom Vanderweel
TOM VANDERWEE
6-28-03

143 CROSSWAY AVE
RES REMOVAL
OWN: SULLIVAN

21
VOLPE/EPÄ
CDM: TOM V.

AUTHOR TOM VANDERWEE, WEATHER IS 80° & SUN
@ 1100. ACTIVITIES ARE RES REM OVERSITE. PPE
IS LEVEL C & D. TITLE OF GOU DOC IS CRRAP (VOLPE
2002) SULLIVAN ADDENDUM. EQUIP USED IS
CAMERA 3, VANDERWEE RADIO — TV
1100 ER IS FINISH GRADING YARD. PLANTING
IN LAST PLANTER. AIR CLEARANCE
WAS RUN ON SUNDAY BY HACTEC &
CDM IN THE MAIN FLOOR & 2ND FLOOR.
JUST HEARD 2ND FLOOR BEDROOM CAR-
PET NEEDS TO BE REMOVED. NOT ON
AGREEMENT. — TV
1145 LUNCH. — TV
1445- GROUND FLOOR AIR CLEARANCE
PASSED. CEILING TILES & CARPET IN
UPSTAIRS BEDROOM GET REMOVED.
1640- ER PULLING DOWN CEILING TILES IN
UPSTAIRS BEDROOM. RE-CLEANING UPSTAIRS.
CRITICALS TAKEN DOWN ON MAIN FLOOR. CONT
AIRMENT BEING BROKEN DOWN IN DOWNSTAIRS.
WINDOW SILLS - OUTLETS - SWITCHES - OUTSIDE OF
HOUSE STILL NEEDS CLEANING. SECOND
FLOOR AIR CLEARANCE FAILED.

Tom Vanderweel
TOM VANDERWEE 6-30-03

22

143 CROSSWAY AVE
RES REMOVAL
OWN: SULLIVAN

7-1-03
VOLPE/PA
CDM: TOM V.

AUTHOR TOM VANDERWEE, WEATHER IS 69° & SUN
@ 1050. ACTIVITIES ARE RES REM OVERSITE, PPE
IS LEVEL C & D. TITLE OF GOV DOC IS CRRAP (VOLPE
2002) SULLIVAN ADDENDUM. EQUIP USED IS
CAMERA 3, VANDERWEE RADIO. — TV

1050 - ER HAS TWO NEG AIR UNITS FOR
2ND FLOOR. DONE CLEANING & ENCAPPING -
GOING INTO INSPECT. COULD NOT GO IN.
VARATHANE WAS SPREAD ON HALLWAY
BEDROOM & SMALL ROOM AT TOP OF
STAIRS. GO IN LATER. 2 2000 NEG
AIRS SCRUBBING. — TV

1143 GO TO 15 AVE B. — TV

1359. HANDY JUST IN CONTAINMENT.
NO ENCAR OR VARATHANE ON FLOOR
OF BEDROOM. GO IN ZONE TO LOOK.

DAVE'S CALLED CHUCK TO EXPLOITE.

DON & I ROLLED ^{TV} POLYURETHANE ON
BEDROOM FLOOR. DONE AT 1500. — TV

1530 GO TO 1114 IDAHO AVE. — TV

Tom Vanderweel
TOM VANDERWEE
7-1-03

143 CROSSWAY AVE
RES REMOVAL
OWN: SULLIVAN

7-2-03
VOLPE/PA
CDM: TOM V. 23

AUTHOR TOM VANDERWEE, WEATHER IS 75° & SUN
@ 1329. ACTIVITIES ARE RES REM OVERSITE. PPE
IS LEVEL D. TITLE OF GOV DOC IS CRRAP (VOLPE
2002) SULLIVAN ADDENDUM. EQUIP USED IS
CAMERA 3, VANDERWEE RADIO. — TV

1045 - AIR CLEARANCE PASSED 2ND
FLOOR. JOB IS CLEAR - LEVEL D.
NEED TO GPS. ER HOBILIZING TO
BREAK DOWN CONTAINMENT.

1329 - ER GETTING READY TO INSULATE,
BREAKING DOWN CONTAINMENT.

CLEANING WINDOWS. CLEANING ENCAP
OFF ROCK FIREPLACE. — TV

HAD ER INSULATE SLOPED ATTIC ROOF
SECTIONS THAT VCI WAS TAKEN FROM.

1402 GO TO 15 AVE B. — TV

1542 - 1600 TO TURN POWER ON TO
HOUSE & STUDIO. POWER ON. WALK
THROUGH WITH HOMEOWNERS.

ER INSULATING WALLS IN KNEE
WALLS - — TV

1619 GO TO 15 AVE B — TV

Tom Vanderweel
TOM VANDERWEE
7-2-03

143 CROSSWAY AVE
RES REMOVAL
OWN: SULLIVAN

7-8-03
RES REMOVAL
CDM: TOM

AUTHOR TOM VANDERWEELE, WEATHER 60° + CLOUDY
@ 0955. ACTIVITIES ARE RES REM OVERSITE. PPE
IS LEVEL D. TITLE OF GOV DOC IS CRAP (VOLPE
2002) SULLIVAN ADDENDUM. EQUIP USED IS
CAMERA 3, VANDERWEELE RADIO. ——— TV

0955 - SULLIVAN'S WERE DIGGING DRIVEWAY
BORDER IN + FOUND LV. HERE TO SOIL TEST.
BIASED SAMPLE PER TOMMY COOK. ER HERE
HYDRO-SHOINK. I GRAB SOIL SAMPLE TAKEN
AT 1030 FROM SOUTH SIDE OF NEW DRIVE
1R-20652

SP-121501 BEING PUT IN. LV SEEN.
0-3" FOR THE SAMPLE. FSDS#000099.
NO GPS TAKEN YET. ——— TV
1038 - GO TO CDM OFFICE. ——— TV

Tom Vanderweele
TOM VANDERWEELE
7/8/03

143 CROSSWAY AVE
RES REMOVAL
OWN: SULLIVAN

7-9-03
VOLPE/EDA
CDM: LV.

AUTHOR TOM VANDERWEELE, WEATHER 15 64° + SUN
@ 1033. ACTIVITIES ARE RES REM OVERSITE. PPE
IS LEVEL D. TITLE OF GOV DOC IS CRAP (VOLPE
2002) SULLIVAN ADDENDUM. EQUIP USED IS
CAMERA 3, VANDERWEELE RADIO ——— TV

1033 - ER IS GRADING NEW DRIVEWAY.
SPREADING + RAKING ROAD BASE. VAC
TRUCK WAS HERE ALREADY + SUCKED
LOOSE SOIL FROM DUG OUT DRIVEWAY
BORDER. ALSO REMOVED VCI FROM
UNDER WINDOW THAT OWNER HAD
REMOVED A BOARD FROM. ——— TV
1042 GO TO 15 AVE B. ——— TV
SOIL SAMPLE FROM YESTERDAY
CAME BACK AS < 170. ——— TV

Tom Vanderweele
TOM VANDERWEELE
7-9-03

26

143 CROSSWAY AVE
RES REMOVAL
OWN: SULLIVAN

7-17-03
VOLPE/EPA
CDM: TOM

AUTHOR TOM VANDERWEELE, WEATREK IS 59° & SUN
@ 0830. ACTIVITIES ARE RES REM OVERSITE. PPE
IS LEVEL D. TITLE OF GOV DOC IS CRRAP (VOLPE
2002) SULLIVAN ADDENDUM. EQUIP USED IS
CAMERA 3, VANDERWEELE RADIO — TV
0830 HERE TO GPS SOIL SAMPLES. ER
HERE TO WORK ON RESTORATION HIT
LIST. — TV
0907 GO TO 280 S. CENTRAL RD BY
WAY OF CDM OFFICE. — TV

Tom Vanderweele
TOM VANDERWEELE
7-17-03

143 CROSSWAY AVE
RES REMOVAL
OWN: SULLIVAN

7-21-03
VOLPE/EPA 27
CDM: M.V.

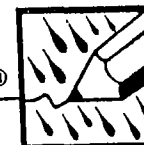
AUTHOR TOM VANDERWEELE, WEATHER IS 96° & SUN
@ 1420. ACTIVITIES ARE RES REM OVERSITE. PPE
IS LEVEL D. TITLE OF GOV DOC IS CRRAP (VOLPE
2002) SULLIVAN ADDENDUM. EQUIP USED IS
CAMERA 3, VANDERWEELE RADIO — TV
1420 - ER HERE INSTALLING TRELLIS
AROUND BOTTOM OF DECK. GORDON
SULLIVAN FIXED PHONE LINE. PLUMBING
LEAK UNDER HOUSE IS FIXED. ER'S
SUB IS DRYWALLING IN HOUSE. TV
1443 GO TO 154 SKI RD. — TV

Tom Vanderweele
TOM VANDERWEELE
7-21-03

100204

"Outdoor writing products for outdoor writing people."

"*Rite in the Rain*"
ALL-WEATHER WRITING PAPER



TRANSIT

All-Weather Notebook
No. 301



RECYCLABLE

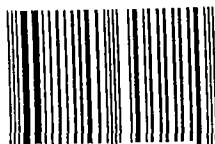
"Rite In the Rain" - A unique All-Weather Writing paper created to shed water and enhance the written image. It is widely used throughout the world for recording critical field data in all kinds of weather.

Available in a variety of standard and custom printed case-bound hard books, loose leaf, spiral and stapled notebooks, multi-copy sets and copier paper.

For best results, use a pencil or an all-weather pen.

a product of

J. L. DARLING CORPORATION
Tacoma, WA 98424-1017 USA
(253) 922-5000 • FAX (253) 922-5100
www.RiteInTheRain.com



6 32281 30111 0

Libby Asbestos Project
Residential Removals
~~XXXXXXXXXXXXXXXXXXXX~~
~~XXXXXXXXXXXXXXXXXXXX~~

4 inch x 6 inch Numbered Pages

143 Crossway Ave.

22 143 Crossway Ave Sullivan 6-11-03
Res. Removals EPA/Volpe
Author: Nancy Baker, Nancy Baker, Matted
Weather: 52°, partly cloudy. NB
Activities: to collect ambient perimeter
air samples while ER ^{NB 6-11-03} sets up
and may ^{NB 6-11-03} possibly excavate
contaminated soil. NB
ER Supervisor onsite is Merrill Taylor.
Equipment: (4) ^{NB 6-11-03} size low volume air
sampling pumps, cassette stands,
3.8 mm cassettes (lot # 25856) + ygon
rotometer (H006196) and decon wipes.
All sampling will be IAW Removal Action
SAP, Rev 1, Sept 00 and will be in Level D
PPE. NB
0804 Arrived on site and pre-calibrated
samples. NB
0815 IR-20839 (South side of excavation)
started. NB
0817 IR-20840 (East side of excavation)
started. NB
0821 IR-20841 (North side of excavation)
started. NB
0831 IR-20842 (West side of excavation)
started. NB
0834 Left Crossway jobsite to find

NB 6-11-03

143 Crossway Ave Sullivan 6-11-03
Res. Removals EPA/Volpe
Author: Nancy Baker, Nancy Baker, Matted
Kootenai River Road location. NB
1120 checked all ambient samples
all are operating properly. NB
1405 checked calibration on all
air sampling pumps. IR-20841
had stopped shortly after checking
them at 1120, did not change pump
because not enough time is left
in the shift to collect sufficient
liters. NB
1525 IR-20839 (S. side of excavation) stopped
IR-20839 was voided due to low battery
resulting in insufficient flow. NB
1527 IR-20840 (E. side of excavation) stopped
1536 IR-20842 (W. side of excavation) stopped
IR-20843 and IR-20844 are blanks.
All samples were post-calibrated and
sealed. All data is recorded on FSDS
referenced by #3 R-SM-000961, 962.
1610 All samples were relinquished to
CDM Sample coordinator, Terry Crowell
at the Louisiana Ave. office. All
sampling is finished for the day.

NB
6-11-03

24 143 Crossway Sullivan 6-12-03
Res. Removals EPA/Volpe
Author: Nancy Baker, Nancy Baker, Maeter
Weather: 54°, Sunny, winds SE ^{1 mph} → NW
Activities: to collect ambient air samples
around the perimeter of the excavation
while ER removes contaminated soil.
ER Supervisor onsite is Merc. Taylor.
Equipment: (1) See low volume air samp-
ling pumps, cassette stands, 0.8 mm
cassettes (lot # 25856), rotometer
006196, tygon and wet wipes. NB
All sampling will be IAW with Removal
Action SAP, Rev. Sept. 00 and will be
in Level 1 D PPE. NB
NB 6-12-03
0826 Arrived on site and pre-calibrated
samples. NB
0835 IR-20849 (North side of excavation)
started. NB
0839 IR-20850 (East side of excavation)
started. NB
0841 IR-20851 (South side of excavation)
started. NB
0845 IR-20852 (West side of excavation)
started. NB
IR-20853 and IR-20854 are ambient
blanks. NB

NB 6-12-03

143 Crossway Sullivan 6-12-03
Res. Removals EPA/Volpe 25
Author: Nancy Baker, Nancy Baker, Maeter
1100 Checked all pumps, all are
operating properly. NB
1308 Checked calibration of pumps.
no adjustment was needed and all
pumps are operating properly. NB
1325 Left Crossway to go to Louisiana.
1436 IR-20851 (S. side of excavation) stopped
1544 IR-20852 (W. side of excavation) stopped
1556 IR-20849 (N. side of excavation) stopped
1558 IR-20850 (E. side of excavation) stopped
All samples were post calibrated and
sealed. All data is recorded on FSDS
FSDS's referenced by #s R-SA-
000965, 966. NB
1639 samples were relinquished to
CDM sample coordinator Patty
Strong at Louisiana Ave office
All sampling is finished for the
day. NB

NB
6-12-03

26

143 Crossway Ave

Sullivan

6-13-03

Res. Removals

Author: Nanney Baker, Nanney Baker, Mactee

Weather: 51°, light rain, winds SE 1 mph → NW

Activities: to collect ambient air samples around perimeter of excavation while

EK removes contaminated soil. Will also

collect personal TWA and EXC samples

when bulk removal begins in the

attic later in the afternoon. NB

Equipment: (6) SKC low volume air sampling

pumps, cassette stands, 0.8 min cassettes

(lot # 25-856), rotometer (#006156), tygon,

and decon wipes. NB

All sampling will be IAW Removal Action

SAP, Rev 1, Sept 00 and will be in Level D

PPE. NB

0840 Arrived on site and pre-calibrated

air samples. NB

0846 IR-20859 (N. side of excavation) started

0850 IR-20860 (E. side of excavation) started

0852 IR-20901 (S. side of excavation) started

0854 IR-20902 (W. side of excavation) started

IR-20907 and IR-20908 are ambient blanks

1409 IR-20903 (Personal TWA) started NB

1409 IR-20904 (Personal EXC) started NB

1431 IR-20904 (Personal EXC) stopped NB

NB 6-13-03

143 Crossway Ave.

Sullivan

6-13-03

27

Res. Removals

Author: Nanney Baker, Nanney Baker, Mactee

Late entry 1145 IR-20860 (E. side) stopped

1618 IR-20901 (S. side) stopped NB

1639 IR-20903 (Personal TWA) stopped

Late entry 1247 IR-20902 (W. side)

stopped. NB

1715 IR-20859 (N. side) stopped. NB

All samples were post calibrated

and sealed. NB

All data is recorded on FSDS's. NB

Referenced by #'s R-PA-000276, 284

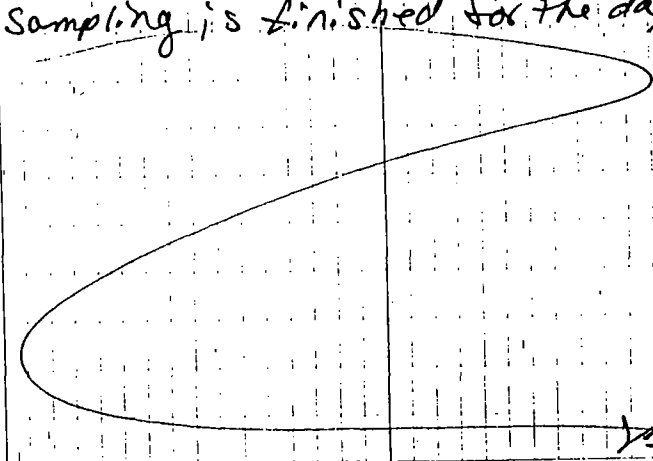
and R-SA-000987, 988, and 989.

1835 Samples were relinquished to

CDM Sample Coordinator Patty Strong

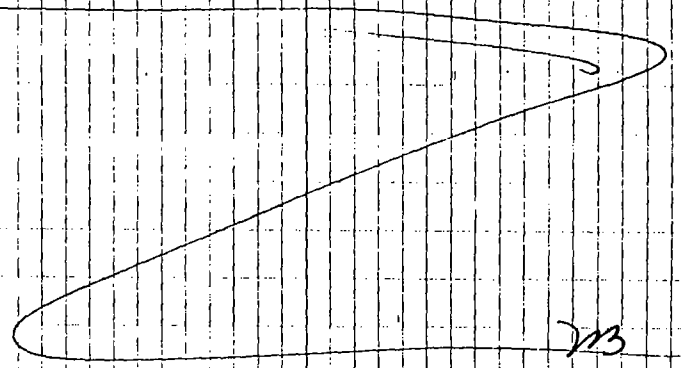
at the Louisiana Ave office. All

sampling is finished for the day. NB

NB
6-13-03

28 143 Crossway Ave Sullivan 6-16-03
Res. Removals EPA/Volpe
Author: Woney Baker, Woney Baker, Master
Weather: 51°, Sunny, Calm.
Activities: to collect ambient air
samples around perimeter of excavation
while ER removes contaminated soil
in yard and remove the ^{NSC-225} ~~for~~ remainder
of bulk in the attic. — NB
Equipment: (4) SKC low volume air
sampling pumps, cassette stands, 0.8
um cassettes (lot #2585), rotometer
(#006196), tygon and decon wipes — NB
0800 Arrived on site and pre-calibrated
pumps. All sampling will be IAW
Removal Action SAP Rev. 1, Sept 00
and will be in Level D 1/E. — NB
0823 IR-20909 (North side of excavation) started
0824 IR-20910 (East side of excavation) started
0834 IR-20911 (West side of excavation) started
0835 IR-20912 (South side of excavation) started
0845 Left Crossway Ave to go to Kootenai
River Road to check progress of jobsite.
1112 checked air samples, all are
operating properly. Sample may pick
up cotton fuzz that is in the
~~atmosphere~~ ^{atmosphere} — NB
6-16-03
NB

143 Crossway Ave. Sullivan 6-16-03 29
Res. Removals EPA/Volpe
Author: Woney Baker, Woney Baker, Master
11325 checked air samples, all are
operating properly. — NB
1416 IR-20912 (S. side) stopped ^{NSC-225} ~~due to~~
pump fault. — NB
1435 IR-20910 (E. side) stopped - pump
fault. — NB
1632 IR-20909 (W. side) stopped — NB
1635 IR-20911 (W. side) stopped — NB
All samples were post-calibrated
and sealed — NB
All data was recorded on ESDS's
referenced by #s R-SA-000990, 991, 992.
1723 All samples were relinquished to
CDM Sample Coordinator Patty Strong
at Louisiana Ave. office. All sampling
is finished for the day. — NB



6-16-03

30 143 Crossway Ave. Sullivan 6-17-03

Res. Removals

EPA/Volpe

Author: Nancy Baker, Nancy Baker, Martin

Weather: 58° Sunny, No wind. — NB

Activities: to collect perimeter ambient
air samples while ER excavates

contaminated — NB

6-17-03

Activities: to collect ambient air samples
while ER details the attic and dis-
mantles some of the interior

Equipment: (3) 5K low volume air

sampling pumps, cassette stands

0.8 mm cassettes (10 # 25856), tygon,

photo meter (# 006196) and decon wipes

0915 Arrived onsite and pre-calibrated

pumps. All sampling will be IAW

Removal Action SAP, Rev 1, Sept 00 and
will be in Level D PPE. — NB

0924 IR-20943 (South side - NAFU) started

0926 IR-20944 (East side - NAFU) started

0933 IR-20945 (West side - makeup) started

1315 checked air samples, all are

operating properly — NB

1427 IR-20944 (E. of house - NAFU) stopped

1639 IR-20945 (W. of house - makeup) stopped

1725 IR-20943 (S. of house - NAFU) stopped

All samples were post-calibrated and

NB 6-17-03

143 Crossway Ave.

Res. Removals

Sullivan
EPA/Volpe

31

Author: Nancy Baker, Nancy Baker, Martin

Sealed. All data was recorded on FSD's

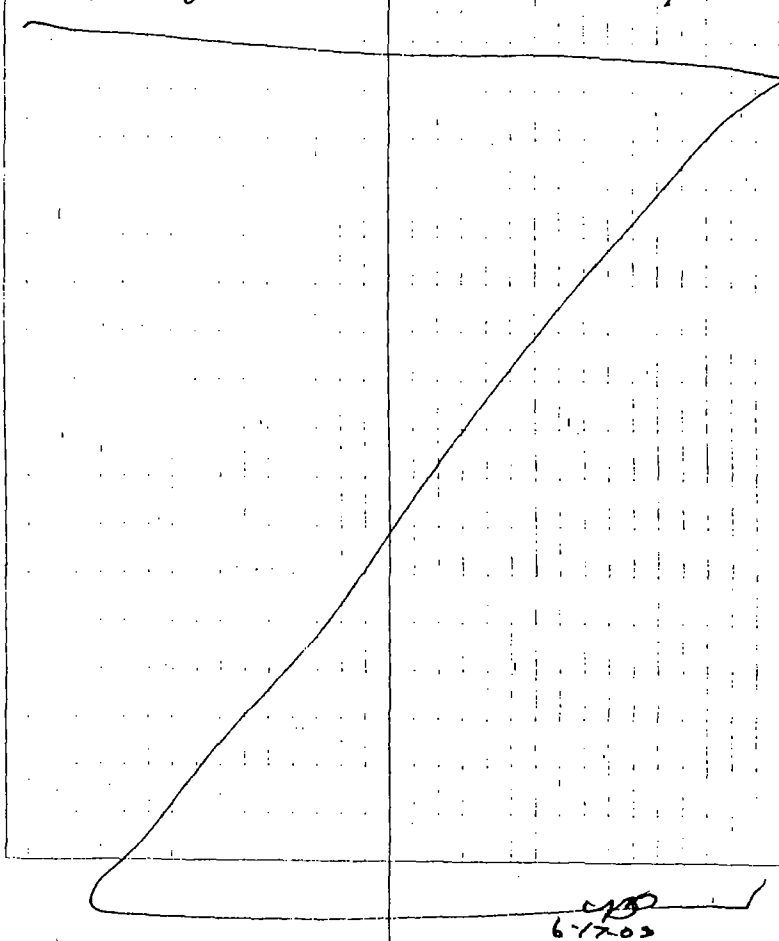
referenced by # R-SA - 001005. — NB

1800 Samples were relinquished to

CDM Sample Coordinator Patty Strong

at Louisiana Ave office. All

sampling is finished for the day. — NB



Volpe EPA Residential Removals

Author: Gregory Parana *GP*

Activity: Pre-encapsula inspection conducted on 2nd level (knee walls + living space) and ground level to ensure removal of all VCI.

0930 Onsite. Marty Ledbetter ER present. NE knee wall - visible vermiculite noted full through crack of ceiling/eaves. Recommended sealing cracks with caulk and re-HEPA vacuuming area. Visible dust noted in 2nd level living space. Recommended re-cleaning.

1050 Offsite. *GP*

1530 Onsite. ER completed recommended tasks. Authorized to encapsulate 2nd level and ground level.

6/24/03

Residential Removals - EPA Volpe ³³Author: Gregory Parana *GP* ^{MACTEC}

Activity: Aggressive final clearance air samples will be collected in the attic of BD-002969. Sample collection procedure will include blowing down the attic for 5 minutes with a 1 hrs power leaf blower prior to sample collection.

(1) 20 inch box fan will be placed in the center of the attic, pointed towards the ceiling and turned on high during sample collection. Sampling will be conducted in level C PPE IAW Removal Action SAP Rev. 1 Sept. 00. Field

Team: Harris/Parana - MACTEC

0900 Onsite - mobilize equipment.

Equipment: 6 High vols, 1 hrs power leaf blower, tygon, extension cords, 20" box fan, Rotometer 92045-1, baby wipes, 0.8µm PCM cassettes lot #30119. *GP*

Samples pre-calibrated in attic.

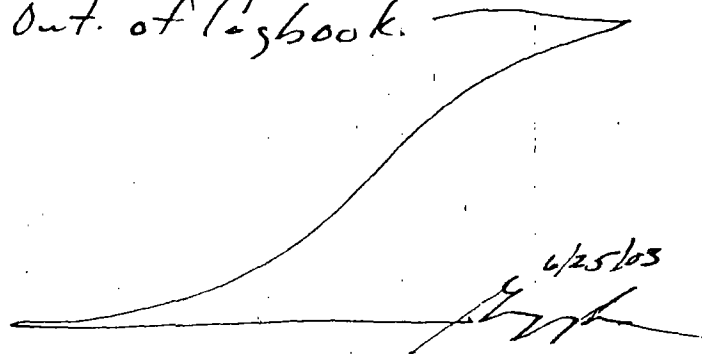
6/25/03

34 143 Crossway Ave - Sullivan 6/25/03
Residential Removals - EPA - Volpe
Cont. Tromps 33 - MACTEC
0950 1 hr power leaf blower on.

Attic blown down. Fan
placed in center of attic - On.
1000 IR-20928 (North) started.
IR-20929 (N. Center) started.
IR-20930 (E. Attic - Center) started.
IR-20931 (S. Center) started.
IR-20932 (S. End) started.
IR-20933, 34 Blanks exposed
and sealed. ——— (D)

1230 IR-20928, 29, 30, 31, 32 stopped.
All samples post calibrated
and sealed. Equipment
decontaminated. ——— (D)

1435 Samples IR-20928-34 on FSDS
R-SA-000996, 97, 98 relinquished
to CDM sample coordinator.
1500 Out. of logbook.


6/25/03

143 Crossway Ave -
Residential Removals EPA

35

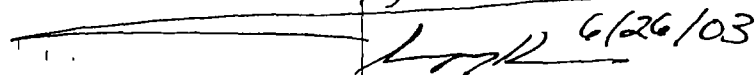
Author: Gregory Parana MACTEC

Activities: Aggressive final clearance
air sampling will be conducted
on the 2nd level (Kneewalls and
living space) and in the ground
level. Sample collection procedure
will include blowing down each
level prior to sample collection
for 5 minutes with a 1 hr power
leaf blower and pointing 20" box
fans towards the ceiling and
sun on high during the sample
period. Sampling will be conducted
in level C PPE PAW Removal Action
SAP Rev 1 Sept. 00. Field team:

Amanda Harris, Gregory Parana - MACTEC
Equipment. Reference pg. 33. ——— (D)

0830 Onsite. Equipment mobilized
into 2nd level. All samples pre-calibrated.
0858 leaf blower on. 2nd level blown down.
Fan turned on high. ——— (D)

0906-0905 IR-20921 (S. Kneewall.) started
IR-20922 (E. Bedroom) started.
IR-20923 (Hallway) started. ———


6/26/03

145 Crossway Ave. Sullivan 6/26/03
Residential Removals - EPA
Cont. from 5/17/02 MACTEC

0905 IR-20924 (N. Office) started.
IR-20925 (N.E. Kneewall) started.
IR-20926, 27 Blanks exposed and sealed.
1115 IR-20921, 22, 23, 24, 25 stopped.
All samples post calibrated and sealed.
Equipment decontaminated and
mobilized into ground level of house.
IR-20921-25 on FSDS R-SA-000993, 94, 95.
All samples pre-calibrated on ground level.
11-5 Leaf blower started. Ground level
blown down - 5 minutes. Fans - On.
1145 IR-20935 (N. living Room) started
IR-20936 (E. Room) started.
IR-20937 (Kitchen) started.
IR-20938 (S. Room) started.
IR-20939 (W. Office) started.
IR-20940, 41 Blanks exposed and sealed.
1310 IR-20921-25 relinquished to CDM.
1355 IR-20935-39 stopped. Post calcd and sealed.
Equipment decontaminated.
1500 IR-20935-41 on FSDS R-SA-000999, 1000,
1001 relinquished to CDM sample
coordinator. Out of logbook.

6/26/03

145 Crossway Ave. Sullivan 6/26/03
Res. Removals EPA/Volpe
Author: Nancy Baker, Nancy Baker, Mactec

37

Activities: Second aggressive final
clearance will be conducted ^{in the second} on the second
level (Knee walls and living space) and
^{in 2nd level} on the ground level. Sample collection
procedure will include blowing down
each level prior to sampling for 5 min
with a 1 hrs pwr. leaf blower and placing
a 20" box fan in the center of the
space, directed toward the ceiling and
placed on high speed. Sampling will
be IAW Removal Action SAP, Rev 1, Sept
00 and will be in Level C PPE. Field
Sampling team: Dean Kozlowski (CDM)
and Nancy Baker (Mactec). NB
Equipment: (4) GAST High volume air
sampling pumps, (1) ems high volume
air sampling pump cassette stands,
0.8 mm cassettes (lot # 30119), roto-
meter (006196), tygon, (1) 20" box fan,
(1) hrs pwr leaf blower and decon wipes.
0800 arrived onsite and mobilized
equipment in second level and pre-
calibrated samples. NB
0824 began leaf blowing down second

143 Crossway Ave. Sullivan 6-24-03
Res Removals EPA/Volpe
Author: Nancy Baker, Nancy Baker, Maeter
level area. NB

0829 Stopped leaf blower. NB

~~0829~~ 0829 also started box fan. NB

0830 Started air sampling pumps.

Sample numbers are as follows: IR-21340, IR-21361, IR-21362, IR-21363 and IR-21364. IR-21340 (SE knee wall), IR-21361 (East bedroom), IR-21362 (hallway), IR-21363 (1st rth office), IR-21364 (NE knee wall). NB
IR-21365 and IR-21366 are ambient blanks.

Blanks were exposed and sealed. NB
1055 all samples were stopped, post calibrated and sealed. Equipment was deconned and mobilized to the ground level of house. Refer to pg. 37 for equipment. NB

1125 began leaf blower. NB

1130 Stopped leaf blower, turned on fan and started samples. All samples were pre-calibrated. NB

1130 IR-21367 (SE Room) started. NB

IR-21368 (East Room) started. NB

IR-21369 (SW Room) started. NB

IR-21370 (hallway) started. NB

143 Crossway Ave. Sullivan 6-24-03
Res Removals EPA/Volpe
Author: Nancy Baker, Nancy Baker, Maeter
IR-21371 (West room) started. NB
IR-21372 and IR-21373 are blanks that were exposed and sealed. NB
1355 IR-21367, 68, 69, 70 and 71 stopped. Samples were post calibrated and sealed. Equipment was deconned and mobilized. NB
Samples were placed on COC's referenced by #'s 005185, 005184. All data is recorded on F8DS's. NB
referenced by #SR-SA-001142 - R-SA-001147. NB
1355 1715 Samples were relinquished to Richard White at EMSL Labs on 4th Ave. NB
Late Entry NB 6-29-03 NB
1415 Noticed Mr. Sullivan walking in area that is the EZ. Dean Kozlowski, CDM also witnessed Mr. Sullivan doing various activities in EZ area. Earlier, about 1140 the Sullivans voiced concerns about condition in house with Dean. All sampling is finished for the day. NB

6-29-03

145 Crossway Ave. Sullivan 7-01-03
Res. Removals EPA/Volpe
Author: Nancy Baker, Nancy Baker, Master

Activities to collect aggressive final clearance samples in the 2nd level of BD-002969. This is the 3rd final clearance for this area. — NB

Second level consists of kneewalls, hallway, an office and a bedroom. — NB

Sample collection procedure will include blowing down sampling area with a leaf blower and placing a turn on high speed in the middle of the area. The leaf blower will be used for 5 minutes prior to turning on sampling pumps — NB

Sampling will be IAW Removal Action SAP, Rev 1, Sept 00 and will be in Level C PPE. — NB

Field TEAM: Amanda Harris and Nancy Baker - both Mactec employees.

1970 ^{NB 20-03} mobilized equipment. — NB

2030 ^{NB 7-1-03} began to use leaf blower.

2035 turned off leaf blower. — NB

2036 turned on box fan directed toward ceiling and placed on high speed. — NB

NB
7-1-03

145 Crossway Ave. Sullivan 7-01-03
Res. Removals EPA/Volpe
Author: Nancy Baker, Nancy Baker, Master

2036 IR-21374 (G. Kneewall) started.

2036 IR-21375 (G. Bedroom) started

2036 IR-21376 (Hallway) started.

2036 IR-21377 (N. Office) started.

2036 IR-21378 (NE Kneewall) started

Equipment: (4) GAST High volume air sampling pumps, (1) EMS high volume sampling pump, + Ygon.

Cassettes stands, 0.8 mm cassettes (lot # 30119), ^{NB 7-1-03} 1 hrs pwr. leaf blower,

(1) 20" box fan, extension cords, (2) GFI pig tails, rotometer (4) and decon wipes. — NB

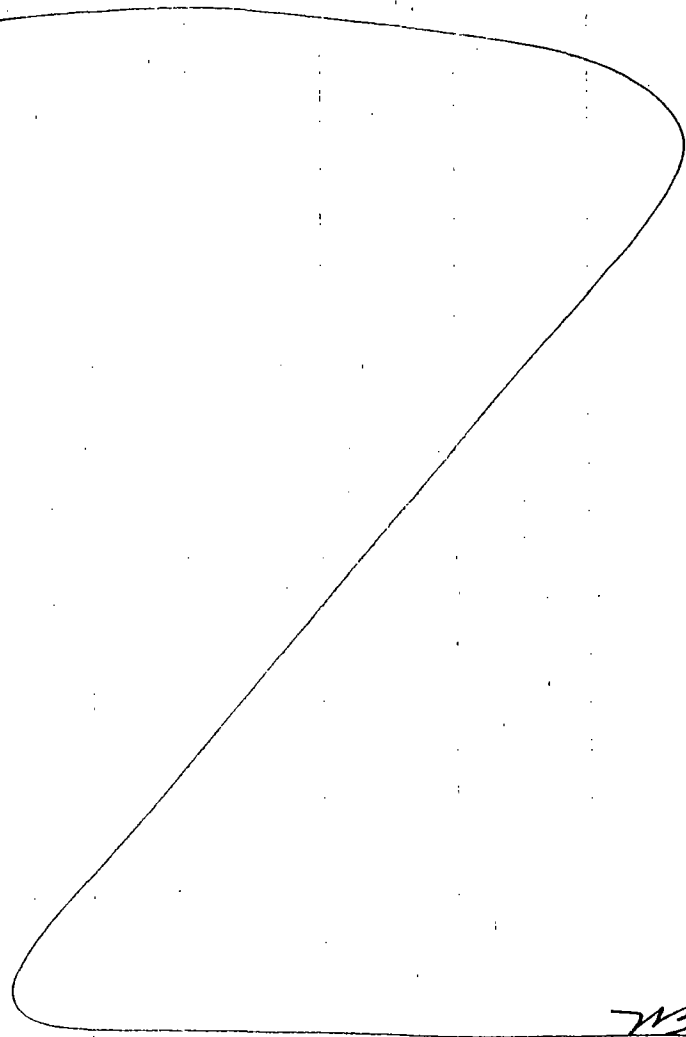
IR-21379 and IR-21380 are ambient blanks that were exposed prior to sampling. — NB

2228 IR-21374, 75, 76, 77 and 78 Stopped. — NB

All samples were post-calibrated and sealed. All data is referenced on FSDS's R-SA-001148, 49, and 50.

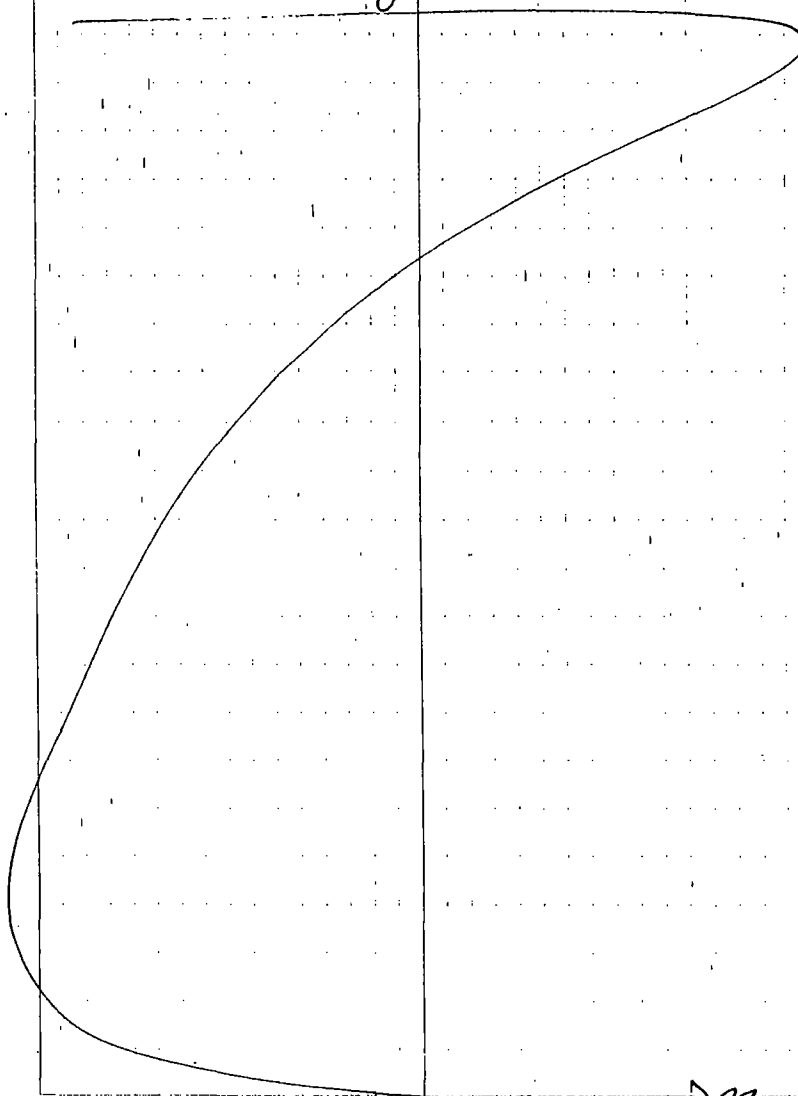
NB
7-1-03

42 143 Crossway Ave Sullivan 7-2-03
Res. Removals EPA/CO/PC
Author: Nancy Baker, Nancy Baker, Master
0650 Relinquished final clearance
Samples to CDM Terry Crowell at
the Louisiana Ave. office. — NB

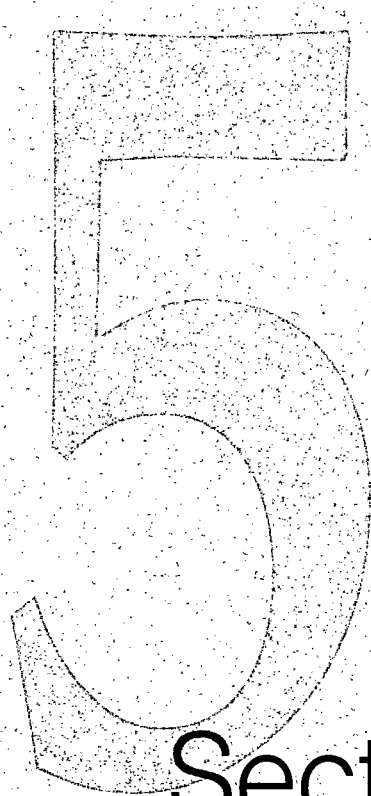


NB
7-02-03

Out of Logbook, NB — NB



NB
7-02-03



Section Five

LIBBY ASBESTOS PROJECT
Property Closeout Checklist (PCC)

Address: 143 CROSSWAY AVE
Occupant: _____
Owner (If different than occupant): SULLIVAN
Oversight Personnel: VANDERWEELE
Removal Dates: 6-9-7/21/03 Field Logbook No. 100212 Page Numbers: 3-27
Removal Contractor: ER
Restoration Contractor: ER
Associated BD Numbers: 002969
PCC Check Completed by (100% of forms): Amly 2. Parnas

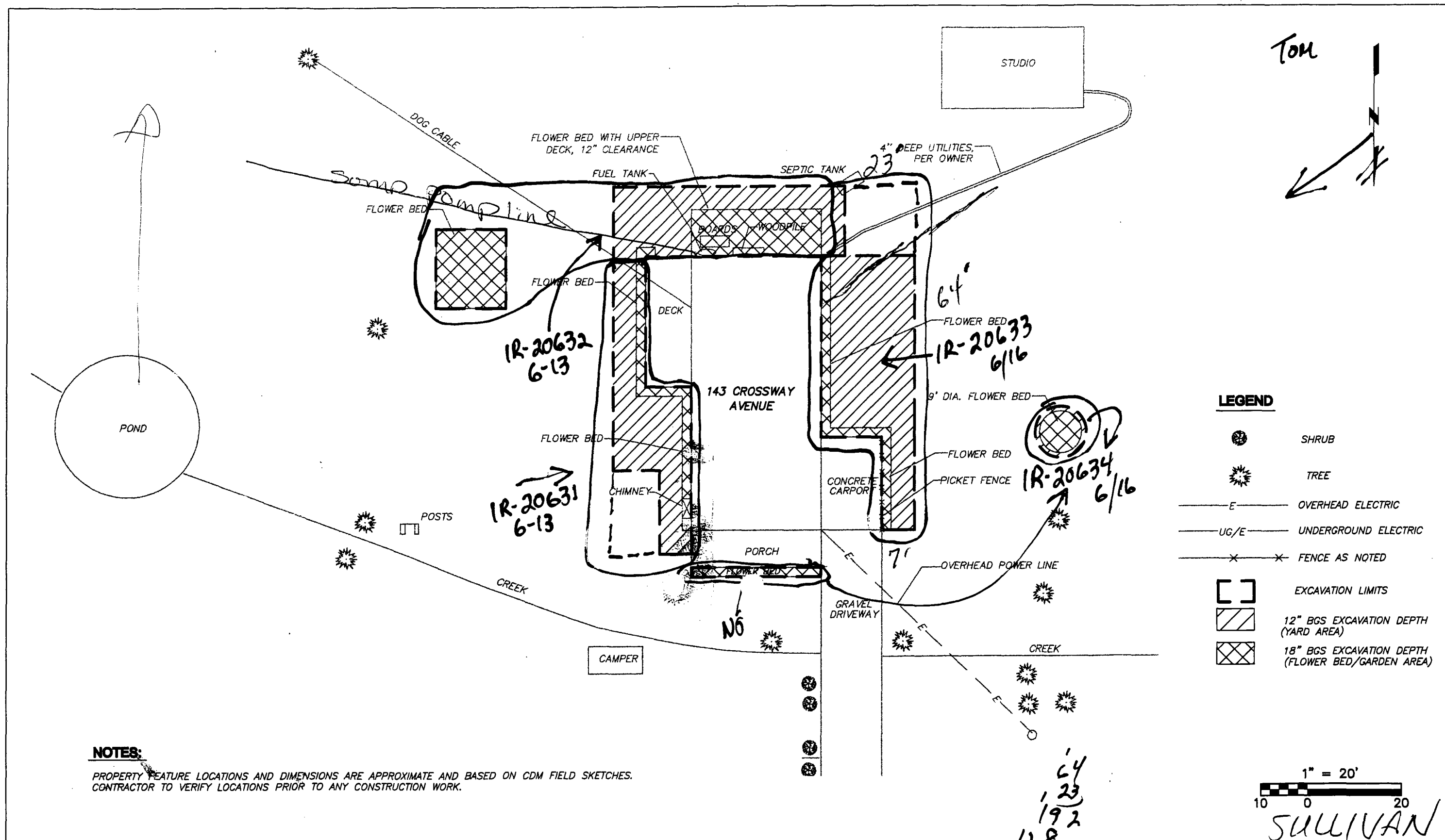
Data Item	Value	Comments
Type of removal activity circle all that apply	<input checked="" type="checkbox"/> VCI removal <input checked="" type="checkbox"/> Interior cleaning <input checked="" type="checkbox"/> Exterior removal Other: _____	TV
Set up date(s)	6-9-11-03 OUTSIDE	6-9-11-03 INSIDE
Removal date(s)	6-11-17-03 OUTSIDE	6-12-19-03 INSIDE
Restoration date(s)	6-19-7-21-03	7-2-21-03
Total days at property	42	
Contaminated material removed circle all that apply	<input checked="" type="checkbox"/> Soil <input checked="" type="checkbox"/> VCI <input checked="" type="checkbox"/> Other insulation <input type="checkbox"/> Household items <input checked="" type="checkbox"/> Rubbish/Debris Other: _____	
Cubic yards (Yd ³) of material removed:		
Soil	130 Yd ³	
	NA	

Data Item	Value	Comments
VCI	<u>28</u> Yd ³ NA	
Other insulation	<u>30</u> Yd ³ NA	Type of insulation removed: <u>F.G. BATS IN WALLS</u>
Household items	Description: <u>NA</u>	
Rubbish/Debris	<u>3</u> Truckloads NA	Description: <u>CEILING-WALLS-CARPET ETC. DEMO MATERIAL.</u>
Any contaminated material remaining after removal is complete? Circle all that apply	No <u>Soil</u> <u>VCI</u>	
Complete following sections as necessary.		
Contaminated soil remaining NA	Location description: <u>EXCAVATION AREA ON N,E+S SIDE OF HOME TRACE VCS REMAINS. DUG TO PROPER DEPTH OR DEEPER BEFORE BACKFILL.</u>	
VCI remaining NA	Location description: <u>TRACE VCI REMAINS WHERE SLOPED ROOF ENDS AT CEILING LINE OF MAIN FLOOR. THIS HAS ALL BEEN BLOCKED SINCE IT COULDN'T BE DETAIL CLEANED.</u>	
Yards of insulation replaced	<u>64</u>	Type: <u>BLOWN IN F.G. BATS IN KNEE WALLS</u>
Yards of residential fill replaced	<u>0</u>	
Yards of topsoil replaced	<u>130</u>	
Yards of other material replaced (i.e., gravel)	<u>25</u>	Type: <u>CRUSHED ROCK</u>

Data Item	Value	Comments
Date HEPA vacuum given to resident	Date: <u>12/5/03</u> Not given <u>AS OF 12/5/03</u> <u>vs 5/3/05</u>	Reason:
Items damaged during construction	<u>WASHING MACHINE COVER</u>	

ADDITIONAL INFORMATION - ADD SKETCHES AS NECESSARY

8/24/06 - ER WAS ONSITE TO LAY POLY, GEO-TEXT FABRIC W/ A WOOD CHIP LAYER (~4"). THERE WAS VISIBLE TREMOLITE IN AREAS THAT WERE ROTO-TILLED BEHIND PHOTO SHOP. ER LAID AN 8' STRIP OF POLY AROUND POND AREA, PLACED GEO-TEXT ATOP, THEN LAID A 4" CAP ABOVE TEXT LINER. REFER TO LOGBOOK #100639 PG. 48.



CDM

LIBBY ASBESTOS PROJECT
LIBBY, MONTANA

143 CROSSWAY AVENUE
EXCAVATION PLAN
MAY 2003

E SE S
N W

64
23
192
128
1472



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8
999 18TH STREET - SUITE 500
DENVER, CO 80202-2466
Phone 800-227-8917
<http://www.epa.gov/region08>

December 9, 2005

Ref: 8EPR-SR

Gordon and Kathy Sullivan
143 Crossway Ave
Libby, MT 59923

RE: EPA Cleanup at 143 Crossway Ave, Libby, MT 59923

The U.S. Environmental Protection Agency (EPA) has completed a cleanup under emergency response authority at the property referenced above. The cleanup was conducted pursuant to the Action Memorandum Amendment dated February 21, 2005 for the Libby Asbestos Site. A signed copy of the Removal and Restoration Completion Form for this property is enclosed for reference and details the specific actions that were taken. There is no financial liability to the property owner or renter of this property, either current or future.

Visual inspections were conducted and confirmation samples were collected after the cleanup to ensure that cleanup standards were achieved. Sampling typically includes interior air samples of the buildings and/or samples of outdoor soils in areas of concern. Analysis of samples for this property showed that Libby amphibole asbestos was not detected, or was detected at levels below EPA's current level of concern. The property meets EPA's current standards for protectiveness of human health for Libby amphibole asbestos contamination set forth in EPA's Action Level and Clearance Criteria Technical Memorandum (December 15, 2003) for the Libby Asbestos Site.

In most circumstances vermiculite or Libby asbestos-containing soil or materials were removed. EPA may have chosen to leave these materials in place if they were located in inaccessible areas and not likely to be disturbed. These areas typically include spaces within walls, below carpets, outdoor soils below hard, improved surfaces such as driveways or foundations, or outdoor soils deeper than twelve to eighteen inches. In most cases, EPA did not inspect or sample in such areas. If you plan to disturb, or accidentally encounter, vermiculite or Libby asbestos containing materials, you should read and follow EPA guidance. This guidance can be obtained at the EPA Information Center at 501 Mineral Ave. in Libby. A database documenting areas where contamination was left in place will be maintained by EPA.

Very low, often immeasurable, levels of Libby asbestos may remain in soil, indoor dust, fabrics, upholstery, and carpets. Current EPA risk assessments suggest that these circumstances do not pose a significant health risk. However, residents can further protect themselves by



Printed on Recycled Paper

taking simple precautions found in EPA guidance, including the use of HEPA-filter equipped vacuum cleaners. EPA will provide each property owner a HEPA vacuum upon completion of cleanup.

EPA's investigations and cleanup addressed amphibole asbestos that is related to the former Libby vermiculite mine and did not address other types of asbestos. There are several potential asbestos-containing materials commonly found in older homes across the country. This letter makes no statement or inferences regarding these materials.

At this time, EPA considers cleanup of this property complete and does not anticipate that additional cleanup measures will be required. However, EPA and others continue to investigate the health effects of Libby asbestos. Cleanup levels and approaches may be adjusted in the future as new information and data becomes available. EPA has not yet set final cleanup levels for the Libby Asbestos Site. This will occur when EPA publishes a final Record of Decision. If this results in a need for additional sampling or cleanup at this property, the property owner will be contacted. Again, the likelihood of this occurring is low.

EPA appreciates your assistance with our work. Please keep this letter with your important papers for future reference. A copy should be passed to the new property owner if the property is sold. If you have any questions, please contact the EPA Information Center at (406) 293-6194 or the Lincoln County Department of Environmental Health at (406) 293-7781.

Sincerely,

A handwritten signature in dark ink, appearing to read "JCE", is positioned above the typed name.

Jim Christiansen
Remedial Project Manager

Removal and Restoration Completion Form for Response Action at Sullivan Property 143 Crossway Avenue Libby, Montana

Between June 9, 2003 and July 21, 2003, removal and restoration activities took place at 143 Crossway Avenue (Sullivan property). Activities were conducted in accordance with the Comprehensive Residential Removal Action Plan (Plan) (U.S. Department of Transportation, John A. Volpe National Transportation Systems Center [Volpe] 2002). This Removal and Restoration Completion Form summarizes cleanup activities that took place at the property.

1.0 Removal and Restoration Activities

1.1 Exterior

Soil was removed from the flowerbeds and restored in accordance with the Plan. Confirmation soil samples were collected from these areas to verify the contamination was removed to the depth required. However, asbestos-containing soil remains at a depth of 18 inches below ground surface in the north, east, and south flowerbeds adjacent to the home. These areas were covered with materials in order to minimize the potential for human exposure. The U.S. Environmental Protection Agency strongly recommends that it be left alone and not disturbed. Should the at-depth material be exposed or disturbed in the future, the homeowner is encouraged to refer to EPA's *Living with Vermiculite* guidance. A copy of this document has been provided to the homeowner. The publication is also available at the Information Center (501 Mineral Avenue) and online at <http://www.epa.gov/Region8/superfund/libby/updates.html>.

1.2 Interior

Vermiculite-containing Insulation Removal

Vermiculite-containing insulation was removed from the attic space, behind the knee walls, beneath the finished attic floor, and within the interior walls planned for remodeling. However, vermiculite-containing insulation remains in the area where the sloped roof meets the ceiling line of the main floor of the residence. This area was blocked to prevent release of the material. Following the removal, the remediated spaces were inspected and air clearance samples were collected to confirm the areas were cleaned to standards established by EPA. The removed insulation was replaced unless otherwise stated in the Plan.

Interior Cleaning

Based on visual inspection, an interior cleaning was conducted in the first level, second level, and basement of the house. Following the interior cleaning, the interior space was inspected and air clearance samples were collected to confirm the area was cleaned to standards established by EPA.

Vermiculite-containing Wall Insulation

Prior to removal activities, the homeowner informed EPA or an EPA representative that they planned to conduct remodeling activities involving the walls of the residence. As a result, inside wall materials such as panehng, drywall, etc., as well as vermicullte-containing wall insulation, were removed from this area and not replaced pending homeowner improvements. However, vermiculite-containing insulation remains in the interior and exterior walls that were not remediated. Should it be necessary to access the area containing the vermiculite in the future (such as during renovation), the homeowner is encouraged to refer to EPA's *Living with Vermiculite* guidance. A copy of this document has been provided to the homeowner. The pubhcation is also available at the EPA Information Center (501 Mineral Avenue) and online at <http://www.epa.gov/Region8/superfund/llbby/updates.html>.

2.0 References

Volpe 2002. (U.S. Department of Transportation, John A. Volpe National Transportation Systems Center). Comprehensive Residential Removal Action Plan. Revision 2. December.

I acknowledge that I have received a copy of the Removal and Restoration Agreement for tie property. Removal and restoration activities were discussed and agreed to prior to cleanup. I have also received a high efficiency particulate air vacuum and training on its correct use. The vacuum shall remain at the property even if the property is sold.

Gordon Sullivan, Owner

Date

Tenant

Date

Sullivan, Gordon and Cathie	143 Crossway Ave.	328001336	12/05/03	3/17/2009 Picked up replacement filter	293-9359
--------------------------------	-------------------	-----------	----------	---	----------

LIBBY ASBESTOS PROJECT
Pre-Sampling Interview Form (PIF) for
Post Clean-up Evaluation Sampling

Field Logbook No.: 100301 Page No.: 10 Site Visit Date: 12/8/03
 Address: 143 Crossway Ave. Structure Description: House
 Occupant: Gordon Sullivan Phone Number: 293-8496
 Owner (if different than occupant): N/A Phone Number: N/A
 Business Name: Focal Point
 Sampling Team: PARANA-CDM
 Field Form Check Completed by (100% of forms): JD JS

Data Item	Value	Notes
CLEAN-UP SUMMARY (To be completed using removal completion folders)		Date Removal Completed: <u>7/03</u>
Location of vermiculite removed indoors	<input checked="" type="radio"/> Attic <input checked="" type="radio"/> Walls (interior or exterior) Crawl Space Basement Sub-floor Other: _____	Walls in front room, Dining Room and Downstairs office
Location of vermiculite remaining indoors Trace VCI remains where sloped roof ends at ceiling of main floor. This has been blocked since it couldn't be interior cleaning conducted during removal	<input checked="" type="radio"/> Attic <input checked="" type="radio"/> Walls (interior or exterior) <input checked="" type="radio"/> Crawl Space Basement Sub-floor <input checked="" type="radio"/> None Other: _____ <input checked="" type="radio"/> Yes <input type="radio"/> No If Yes, which floors: <input checked="" type="radio"/> Ground First <input checked="" type="radio"/> Second Garage Other: <u>Attic</u>	Above fireplace Kitchen, bathroom, laundry room
Was carpet removed during removal activities?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA	
Location of vermiculite removed outdoors	<input checked="" type="radio"/> Driveway <input checked="" type="radio"/> Flowerbed <input checked="" type="radio"/> Garden Stockpile <input checked="" type="radio"/> Yard None Other: _____	
Location of vermiculite remaining outdoors	Driveway Flowerbed Garden Stockpile Yard None Other: <u>Under Deck</u>	<u>Material Enclosed</u> Excavation area on NEE & S side of home, trace VCS remains. Dug to proper depth or deeper before backfill.

Data Item	Value	Notes
Pre-Sampling Interview (To be completed with resident)		
Was EPA provided a HEPA vacuum and has it been used since removal?	<input checked="" type="radio"/> Yes <input type="radio"/> No If Yes, how long after removal was completed did use of EPA issued HEPA vac begin: Immediately 1 to 2 months 3 to 4 months <input checked="" type="radio"/> 5 to 6 months more than 6 months	Rainbow Vac used weekly after 12/19/03 after removal conducted
How often do you vacuum with your EPA provided HEPA vacuum?	Once a week <input checked="" type="radio"/> More than once a week Twice a month Once a month Less than once a month Other: 12/19/03	
Heating Source	<input checked="" type="radio"/> Wood/Coal <input checked="" type="radio"/> Electric <input checked="" type="radio"/> Propane/Gas Other: Fuel Oil	
Heat Distribution	<input checked="" type="radio"/> Forced air <input checked="" type="radio"/> Radiant Other:	FA - Fuel Oil Rad - Propane
How soon after the removal was a forced air heating source first used?	Immediately 1 to 2 months <input checked="" type="radio"/> 3 to 4 months 5 to 6 months more than 6 months	
Have any of the occupants been in contact with any vermiculite since the removal was completed?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	Explain: - Wiring in crawlspace - Installing door in dining room - Dining room wall - Fireplace
Addresses of other homes or properties where the occupants visit and may contain vermiculite	1322 Utah Ave.	To be completed by field personnel: Do these properties currently have indoor or outdoor vermiculite?
Addresses or names of business where occupants work	None out of home and studio in back yard.	To be completed by field personnel: Do these properties currently have indoor or outdoor vermiculite?
ADDITIONAL INFORMATION Removal of material (VCI) conducted by the resident with a non-hepa equipped shop vac.		

100301



"Rite in the Rain"

ALL-WEATHER
Environmental
FIELD BOOK
No. 550

Libby Asbestos Project
Post-Cleanup Evaluation
Sampling

11/20/03 — 1/30/04

6

143 Crossway Ave.

Location SullivanDate 12/8/03Project / Client Post Cleanup Evaluation - EPA/VolpeAuthor: Gregory Parana ^{12/8/03} CDM

Activity: Personal air sample will be collected on Gordon Sullivan. Ambient air samples will be collected on the inside of the house BD-002969. All sampling will be conducted IAW SAP Addendum, Post Cleanup evaluation Sampling, CSS 11/13/03. (P)

Equipment: 4 high volume & 4 Low volume air sampling pumps, rotometer 92045-1, cassette stands, GFI, 0.8um PCM cassettes, decon wipes, screw driver, flash light, tyson, sample pump pouch. (P)

0800 Onsite: Gordon / Kathy Sullivan present.

0815 CE-00004 attached to pump 666023 calibrated with rotometer 92045-1.

0824 CE-00004 started. Residential activity log orientation conducted. Low vol sampling pump orientation conducted. (P)

0830 CE-00005 attached to pump 2135 pre-calibrated. (P)

0834 CE-00005 started. (Dining Room)

0838 CE-00006 attached to pump 2141 pre-calibrated. (P) 12/8/03

143 Crossway Ave

Location SullivanDate 12/8/03Project / Client Post Cleanup Evaluation - EPA/VolpeAuthor: Gregory Parana ^{12/8/03} CDM

0840 CE-00006 started. (2nd level)

0855 Offsite. 1110 Onsite.

1115 CE-00005 cal ck - OK.

1118 CE-00006 cal ck - OK.

1120 CE-00004 cal ck - OK.

1125 Offsite. (P)

1310 Weather 30°F 1mph wind E-W

1335 Onsite. (P)

1340 CE-00004 stopped and post calibrated. CE-00004 attached to pump and pre-calibrated sample. Sample placed on volunteer.

1344 CE-00004 started. Morning shift - Gordon worked in his office on the 2nd level. CE-00005, 06 were calibrated and no change was noted in the flow rates. CE-00005 in dining room adjacent to the fireplace and ceiling fan which is on. Kathy Sullivan was painting in the fireplace room. Offsite (P)

12/8/03

8

143 Crossway Ave
 Location Sullivan Date 12/8/03
 Project / Client Post Clean Up Evaluation EPA-Volpe
 Author: Gregory Parana CDM

1715 Onsite. Gordon indicated that he cond rock work on fireplace. Filter (CE-00004) discolored. Visible particulate noted on filter. Flow rate checked with no change. CE-00006 filter checked-OK. Flowrate checked OK.

1726 CE-00005 filter noted visible particulate on filter. No discoloring. Flowrate checked-OK.

1736 Offsite. ———— (P)

1920 Onsite. 1924 CE-00004 stopped, capped, and postcalibrated. CE-00004 sealed with CoE/p 12/8/03

1931 CE-00006 stopped, capped and post calibrated. Filter looked OK.

1936 CE-00005 stopped, capped and post calibrated. Filter slightly loaded. Equipment decontaminated.

1950 Offsite to CDM office. Ref FSDS PA-000023, SA-000121, 22.

2015 Placed samples in sample storage room and locked. Out of logbook. ————
 12/8/03

Sullivan

Location 143 Crossway Ave. Date 12/9/03
 Project / Client Post Clean Up Evaluation-EPA-Volpe
 Author: Gregory Parana CDM

Activity: Day 2 of personal air sampling on Gordon Sullivan and ambient air sampling inside of BD-002469. A new cassette was placed on Gordon due to the loading on sample CE-00004. This is a deviation to the SAP. Sampling will be conducted in accordance with SAP Add., Post Clean Up evaluation Sampling, CSS 11/13/03. Ref pg 6 of this logbook for equipment. ———— (P)

0820 Onsite. Gordon present. Pump 626752 pre-calibrated with sample CE-00007 and rotameter 92045-1. Sample placed on GS.

0837 CE-00007 started. ———— (P)
 High Vol pump 2141 and 2135 plugged in and started to warm up. Pump 2141 pre-calibrated with sample CE-00005 in line. ———— (P)

0845 CE-00005 started. ———— (P)

12/9/03

10

Sullivan

Location 143 Crossway Ave. Date 12/9/03Project / Client Post Clean Up Evaluation - EPA-VolpeAuthor: Gregory Peruna CDM

0848

Pump 2135 pre-calibrated with CE-00006 inline. ————

0849 CE-00006 started. ————

0855 Pre-Sampling Interview Form (PIF) completed with Gordon and Kathy Sullivan. Residential Activity log given to resident. ————

0915 Offsite. ————

0945 Weather: 24°F Wind 2 mph E→W

1115 Onsite. ————

1120 CE-00005 flow ck. OK ~~Cat~~ ^{12/9/03} CE-OK.1125 CE-00006 flow ck. OK ~~Cat~~ ^{12/9/03} CE-OK.1128 CE-00007 ~~Cat~~ ^{12/9/03} flow ck. OKGS was observed working in 2nd level office. ————

1137 Offsite. ————

CDM office completing paperwork.

1445 Onsite. ————

1451 CE-00007 stopped, capped and postcalibrated. Sample attached to pump 626614 & calibrated to 3.08 l/min. ————

1454 CE-00007 started. ————

12/9/03

Sullivan

Location 143 Crossway Ave Date 12/9/03Project / Client Post Clean Up Evaluation - EPA-VolpeAuthor: Gregory Peruna CDM

11

1458 CE-00006 Flow ck. OK

Filter slightly discolored.

1503 CE-00005 Flow ck. OK.

Filter discolored with visible particulate. 1515 Offsite.

1745 Onsite. 1750 CE-00007

stopped and postcalibrated.

Cassette capped and bagged

Visible particulate noted,

loading notes heavy as

CE-00004. CE-00007 will

be used on 12/10/03.

1755 CE-00005 stopped, post

calibrated and capped.

1801 CE-00006 stopped, capped,

postcalibrated and bagged.

Equipment decontaminated.

Received completed residential

activity log from GS. Ret FSDS

SA-000127, 126, PA-000026.

1810 Offsite. To CDM office.

Samples locked in sample

storage.

12/9/03

12

Sullivan

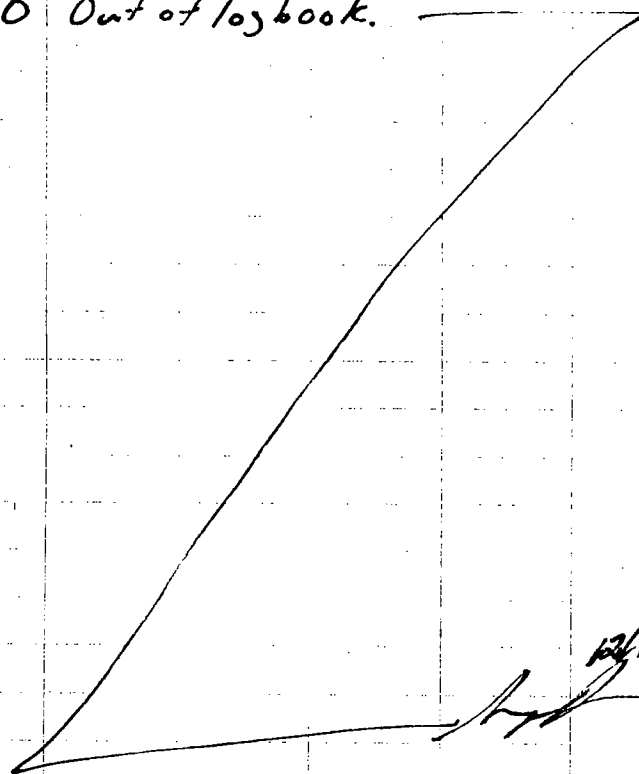
Location 143 Crossway Ave. Date 12/9/03

Project / Client Post Removal Evaluation - EPA-Volpe

Author: Gregory Parana *GP* CDM

1900 Out of logbook. — *GP*
 2000 CDM office - Paperwork.
 calling scheduled volunteers
 to set up a time so I can
 take the EPA furnished HEPA
 vacs. Contacted all residents.
 HEPA vacs scheduled to be
 delivered tomorrow 12/10/03.

2050 Out of logbook.



12/9/03
GP

13

Sullivan

Location 143 Crossway Ave. Date 12/10/03

Project / Client Post Removal Evaluation - EPA-Volpe

Author: Gregory Parana *GP* CDM *MACT* 12/10/03

Activity: Day 3 of Post Cleanup
 evaluation sampling @ BD-002969.
 Personal air, stationary air, and
 dust samples will be collect
 in accordance with the SAIP
 Addendum, PCE Sampling, CSS
 12/1 to 3. Equipment reference
 pg 6 of this logbook. Dry Cal
 B-1610, S-1521 used to calibrate
 low volume sampling pump
 for dust sampling. — *GP*

0830 Onsite. Gordon and Kathy,
 Sullivan present. Low vol pump
 666023 calibrated with sample
 inline CE-00007. Rotometer 92045-1.
 0841 CE-00007 started. Sample
 placed on Gordon. — *GP*

Sample CE-00005 placed on
 pump 2135 and pre-calibrated.
 0850 CE-00005 started. — *GP*

Sample CE-00006 placed on
 pump 2141 and pre-calibrated.
 0855 CE-00006 started. Activity
 log given to GS. — *GP* 12/10/03

14

Sullivan
 Location 143 Crossway Ave. Date 12/10/03
 Project - Client Post Removal Evaluation - EPA/Volpe
 Author: Gregory Parana CDM Hill

0910 Offsite. ———— (D)

1130 Onsite. Gordon indicated that he left and placed pump on hold from 0940 until 1110. Pump counter used to verify 12/10/03 verified verify time sample was off.

1135 CE-00007 calibrated ck - OK.

Filter discolored and x 40% loaded.

1140 CE-00005 calibrated ck - OK

Filter ck - OK. ———— (D)

CE-00006 cal ck - OK, Filter ck

OK. GS completing rock work on fireplace.

1150 Offsite. CDM Office. ———— (D)

1300 Low vol pump #12/10/03 G12058 calibrated with dry-cal. 0.45um TEM dust sample cassette lot #23802. ———— (D)

Late Entry 1030 HEPA vac S/N 0328001333 to Anne Pescatore 607 W. 10th St. 1100 HEPA vac S/N 0328001330 to Jim Allen 1109 Louisiana Ave. ———— (D)

1400 Completing paper work @ CDM Office. ———— 12/10/03

15 17

Sullivan
 Location 143 Crossway Ave. Date 12/10/03
 Project - Client Post Removal Evaluation - EPA/Volpe
 Author: Gregory Parana CDM Hill

1525 Onsite. GS work in front of room on fireplace rock work.

1530 CE-00007 stopped. Post calibrate. CE-00007 placed on pump G26614 and calibrated.

1535 CE-00007 started.

1542 CE-00005 flow ck - OK.

1544 CE-00006 flow ck - OK.

1601 Dust sample CE-00009 collected, capped and sealed. Ref FSDS D-000069.

1612 Offsite to 1116 Utah Ave to deliver HEPA vac.

1630 HEPA Vac S/N 0328001331 relinquished to Mary England. Orientation conducted by

1700 Offsite. ———— (D)

1830 Onsite 143 Crossway Ave.

1836 CE-00007 stopped, post calibrated and sealed.

1838 CE-00005 stopped, post calibrated and sealed.

1841 CE-00006 stopped, post calibrated and sealed. ———— 12/10/03

16

Sullivan

Location 143 Crossway Ave. Date 12/10/03

Project / Client ^{Removal} Post Evaluation sampling EPA-VolpeAuthor: Gregory Parana CDM *GP*

Equipment decontaminated. Resident Activity log received from GS.

1855 Offsite to CDM office. Samples locked in sample storage

@ 318 Louisiana Ave. Out of logbook. *GP* 12/10/03

Ret FSDS PA-000027-SA-000128,

141. Out of logbook. *GP*

12/10/03

17

Sullivan

Location 143 Crossway Ave. Date 12/11/03

Project / Client ^{EPA} Post Removal Evaluation sampling VolpeAuthor: Gregory Parana CDM *GP*

1100 Field QC of FSDS conducted by Damon Repine.

1151 Relinquished samples to Terry Crowell, CDM.

1200 Out of logbook.

12/11/03

Residential Activity Log

12/19/03 00001
BP-002969

Resident Address: 143 Crossway Ave.

Volunteer Name: Gordon Sullivan

Sampling Date(s): 12/8/03

Personal air sample number (s): CE-00004

FSDS number(s): PA-000023, SA-000121, SA-000122

Date/Time Interval	Go Outside?	Pump problem?	General Activities
8:30 AM 12:30 - PM	<input checked="" type="radio"/> No Yes (___ mins) Describe	<input checked="" type="radio"/> No Yes (describe)	Work in office upper level
12:30 PM 2:30 PM	<input checked="" type="radio"/> No Yes (___ mins) Describe	<input checked="" type="radio"/> No Yes (describe)	Work in office upper level
2:30 P.M. 3:30 PM	<input checked="" type="radio"/> No Yes (___ mins) Describe	<input checked="" type="radio"/> No Yes (describe)	Work at fireplace Rock work - Lined
3:30 PM 4:30	<input checked="" type="radio"/> No Yes (___ mins) Describe	<input checked="" type="radio"/> No Yes (describe)	General work clean up -
4:30 7:30	<input checked="" type="radio"/> No Yes (___ mins) Describe	<input checked="" type="radio"/> No Yes (describe)	General - Dinner work in office Sit Around.
	No Yes (___ mins) Describe	No Yes (describe)	

Note: Continue on second page if necessary.

Greg Parana
293-1759

Residential Activity Log

BDP 12/9/03
BD-002969

Resident Address: 143 Crossway Ave

Volunteer Name: Gordon Sullivan

Sampling Date(s): 12/9/03

Personal air sample number (s): CE-00007

FSDS number(s): SA-000126, SA-000127, PA-000026

Date/Time Interval	Go Outside? No Yes (___ mins) Describe	Pump problem? No Yes (describe)	General Activities
8:34 12:30	<input checked="" type="radio"/> No Yes (___ mins) Describe	<input checked="" type="radio"/> No Yes (describe)	Work in office upper level
12:30 2:30	<input checked="" type="radio"/> No Yes (___ mins) Describe	<input checked="" type="radio"/> No Yes (describe)	Rock work fireplace - wet
2:30 4:30	<input checked="" type="radio"/> No Yes (___ mins) Describe	<input checked="" type="radio"/> No Yes (describe)	Work in office upper level
4:30 6:00	<input checked="" type="radio"/> No Yes (___ mins) Describe	<input checked="" type="radio"/> No Yes (describe)	Work in back hallway - moving thing around
	No Yes (___ mins) Describe	No Yes (describe)	
	No Yes (___ mins) Describe	No Yes (describe)	

Note: Continue on second page if necessary. --

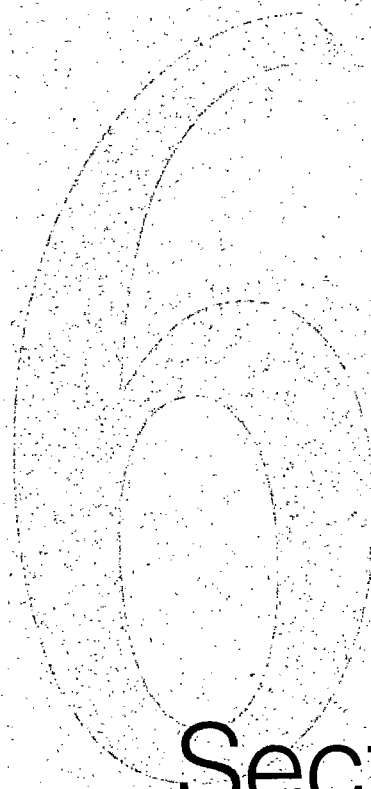
Residential Activity Log

Resident Address: 143 Crossway Ave.Volunteer Name: Gordon SullivanSampling Date(s): 12/10/03Personal air sample number (s): CE-00007FSDS number(s): PA-000027-SA-000128,141

Date/Time Interval	Go Outside?	Pump problem?	General Activities
8:30 9:30	<input checked="" type="radio"/> No Yes (___ mins) Describe	<input checked="" type="radio"/> No Yes (describe)	work around fire place
OUT	No Yes (___ mins) Describe	No Yes (describe)	
12:00 2:00	No Yes (___ mins) Describe	No Yes (describe)	work in office upper level
2:00 3:30	<input checked="" type="radio"/> No Yes (___ mins) Describe	<input checked="" type="radio"/> No Yes (describe)	Construction downstairs Fireplace
3:30 6:30	<input checked="" type="radio"/> No Yes (___ mins) Describe	<input checked="" type="radio"/> No Yes (describe)	work in office
6:30 7:00	<input checked="" type="radio"/> No Yes (___ mins) Describe	No Yes (describe)	Get to car & Drink wine

Note: Continue on second page if necessary.

3 of 3



Section Six

TARGET SHEET
EPA REGION VIII
SUPERFUND DOCUMENT MANAGEMENT SYSTEM

DOCUMENT NUMBER: 1225830

SITE NAME: LIBBY ASBESTOS SITE

DOCUMENT DATE: 05/08/2009

DOCUMENT NOT SCANNED

Due to one of the following reasons:

- ☐ PHOTOGRAPHS
- ☐ 3-DIMENSIONAL
- ☐ OVERSIZED
- ☐ AUDIO/VISUAL
- ☐ PERMANENTLY BOUND DOCUMENTS
- ☐ POOR LEGIBILITY
- ☐ OTHER
- ☐ NOT AVAILABLE
- ☐ TYPES OF DOCUMENTS NOT TO BE SCANNED
(Data Packages, Data Validation, Sampling Data, CBI, Chain of Custody)

DOCUMENT DESCRIPTION:

CD 1 of 5 Contractor's Photos 2003, Exterior & Interior Set-up

CD 2 of 5 Removal Photos 2003

CD 3 of 5 Contractor's Photos/Finish 2003

CD 4 of 5 Quick Response - August 2008

CD 5 of 5 ERS Photos 2009, ERS Quick Response 2009, QR 2/20/09, Rock Wall Repair
2008

Contact the Superfund Records Center to view available document.
(303) 312-6473